

<400> 10047

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tctccttatg ctaagaagtt agctaaggag ttgaagggtg aattggctgg tttagttgga 120

agtggaccga tgggaaggat tgtggctaaa gatgttgagg cggttgctgc tggaggagga 180

gttcaagctg ctgttgctgt taaggaggta gtggcagctc ctggtgtgga agttgggac 240

ggtggttctt tttacgacaa tgcagggggc tgtgagtang aatatggtgg agagtcttgg 300

tgttctact tttagagtcg gttacacgat taatacggat gctccttgat cccctctaca 360

agaagattaa ntcnaaagg gtgacaatga cggcactttt aaca 404

<210> 10048

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-C10

<400> 10048

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gcaggtaanc atctcnaaaa ttctctctgc agtttgtctt tcccgaattg ataagtcagt 120

cgcttctgca actgtgttcc ttctgatacc caaaactttc catttgggat agtggcagaa 180

ttantggaag aagtaagcat gagcagggtc gagcatgtat tgaactatct gaaacgtagg 240

cagctcgaga atcctgggtt cttatatgca attgaggacg attgtgggaa tgttttctgg 300

gcggatccaa cttgcagggt gaattacacc tactttggtg ataccctang ctttgacacc 360

acctatagga gggggtaaga ggtancaagg tgccatttgc t 401

<210> 10049

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-072-Q1-E1-C12

<400> 10049

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ctgataacac ttataaatct atcaaggaga tgggttttgc acgcatgact cagatacaag 180
 ctaaagcaat tccaccattg atgatgggag aagatgtact tggagctgcc aggaccggtt 240
 ctggtaaaac cttagctttt cttattcctg ctgttgagct tctttaccgt gttaagtta 300
 ctctcgcaa tggaactggt gttcttgta tttgcccaac aagagagctt gctattcagt 360
 cttatggagt ggcaaaagaa cttcttaagt atcattcaca gactgtggga aaagttattg 420
 gcggtgagaa aacgaaagac agaagctgag attcttgca aaggtgttaa tttattaag 479

<210> 10050
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-C3

<400> 10050
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 aacgatggcg tcgaactcgc ttatgagctg tggcatagcc gccgtgtacc cttcgcttct 120
 ctcttcttcc aagtctaaat tcgtatccgc cggagttcca ctcccaaacg ncgggaatgt 180
 tggtcgtatc agantggntg ctcaactgat gcctggcgaa gccacgacca ggcttacctt 240
 gacggttctg ctcttggtga ctttgggttt gnnncanntg gacntggaca agttccangc 300
 caggccttga gatatacaaa agagtcaaga nctcanccan tggtagatgg gctantgcnc 360
 actngttcct gggatttttg gaccannna ncattanggt atggaaaact ggggttaagg 420
 gcncaggaa tggggnaaac cact 444

<210> 10051
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-C4

<400> 10051
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ctcaggattg cttgaaaact gtagaaatct ttaaggtttt ttacaccaa tannnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnntct attcataaaa aagacaggta atctcaactc 240
 cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnt ggttgctttt tatcagcttg gccttgggaa aactttggca atctcaagta 360
 tcttctctac gctccattag ctgcacaagt aggtgtactc gtgggtctat gaaagaagat 420
 atctcaaaag gttctttggt ggtantcat 449

<210> 10052
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-C5
 <400> 10052

agaaaagcct ccatttttct caaggcaatc tctctctctc tgcctcatct cataaaccca 60
 ttacaccaa acctcatcgt agagagagaa acacaccaac cattgttaca ctctaagaga 120
 agagaagaga gaaggaaaaa tggacggtgt atcaccaaag tttgtgttgc cggagacatt 180
 cgacggcgtg aggatggaga tcacaggcca actaggcatg atctgggagc ttgtaaaagc 240
 accagtgatt gtccctcttc ttcaattagc tgtttacatc tgtttgctta tgtctgtcat 300
 gcttttatgt gagagggttt acatgggaat cgtcatcgtc ctcgtaaac tcttctggga 360
 aaaaaccang acaaacgtta caagttcgag cccattcacg atgattgaag agcntgggaa 420
 c 421

<210> 10053
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-C6
 <400> 10053

acgcgtccgg aaacttgang aactttaagc taaacctctg tagttttcag attgattcgt 60
 tgggtggaaag cgtctaaatt ttgcgtaaat ggcggcagct cttgtacgca gattctgccg 120

gggatcatct tttccggtct ctggatcatgg atataggatg ctatcgacgg ttgaaaatgt 180
atctgaaagt ggtaaatacga tgaatctata ctctgctatt aatcaagctc ttcacatcgc 240
tttagagacc gatcctcggg cttatgtttt tggggaagat gttggatttg gtgggtgtctt 300
ccgatgtaca acaggattaa gctgaacggt ttgggaaaat ctcgagtttt caacactcct 360
ctctgcgagc aaggcattgt tgggcttttg caattggggt aactgcaa at gggaaaatnc 420
g 421

<210> 10054
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-C8
<400> 10054

acgcgtccgc gtttctgaat cagcttaaga actaacaagg agacagacac taagcttggg 60
ttttctctcc gattagacgg aggaaaaagt gaaaacgagg ggcttagacg agtnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnttcaga tatgcctttg cctcaacaga acagagcctt tagtttgctg cgtgagattt 300
tgaatgctac tccaggaag gctgataaca aaagactcgc tcatgcccta aaaaaggact 360
tccgattcag cctacggccc ggcatgggca ctgcattggt ggnacaagct ttggttcata 420
cgtgactcan tccacag 437

<210> 10055
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-D2
<400> 10055

tgtctctctc gccggccgat atggccgcct ccgtagcaaa ctgctgcttc tccgtcctca 60
atgcctccgt taaaattcaa tcttcgtcca tctcctcacc gtgggtgtttc gtgtccgcat 120

cgtcgttgac tccccgagct tcctccaata ttaagaggaa atcgtcgagg tctgattcac 180
catctcctat attaaaccca gagaagaatt acccaggtan agttcnagat gaaagttcca 240
atcctcctca anaaatgggt ttcaaggctt ttgggtcacc caananggag aaaaaagagt 300
ctctttctga ttttagtcga gaccaacaga ctgatcctgc caagattcac gangcatcct 360
ttctcaacgc tggtgtcann gtttaattgc nctcatactg ctncctgaat aacnccctcc 420
caatggggaa gaag 434

<210> 10056
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-D3

<400> 10056
actcttctct ctcatctctt ttcgcttctc gatagcttct caaatcatgg ttcagcaaatt 60
atgggagacg ttgaaggaaa caatcacagc ttacactgga ctttctccag ctgcgttttt 120
caccgtactt gctctcgctt tcgccgttta ccaagtcgtc tccggtttct tcgtttctcc 180
tgaagttcac cgacctcggt ctttggagggt tcagcctcaa tcggagcctc ttccaccgcc 240
ggttcagctc ggagaaatca ctgaggagga gcttaagctt tatgatgggt ccgattctaa 300
aaagccccctt cttatggcga tnaanggcca aatntangan gtttctcana gcanggatgt 360
tttaaggnac caaggtgggc catatgntcc gtttggcang ggaaagatgc caagccccgag 420
ctcttgggna a 431

<210> 10057
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-D6

<400> 10057
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gcgtccgggt agctcgaggt gataagagtg gagaagatgg catccccgatg ctactgaaga 120

ggtatcgtcc tccaaaactg tcgcatcggt cccgacaaga aactagcggc agagagatta 180
 atcgtggagt cataacttggg aaggccatgg aagaaattct ctaccaccgt gattatcaac 240
 tccgagatag gagatgtgat tagaccagaa ggttgggaaga tttgggatgg ggaaagtttc 300
 cacaagtcac gtaggtacgt tgagtacaac aaccgtggac caggagctat cactaaccga 360
 agagttaact gggttaagat cgccaggtct gcagctgagg tcaatgactt cactgttgct 420
 aactgggtta ggtcctanta actggattca agaagccaat gttcccgta cgcntggatt 480
 aaa 483

<210> 10060
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-E5
 <400> 10060

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 atcggacggt tcttattggg ttatcggttt tgacgggtgt gatgcttttg ttgactcacg 120
 ctacttcgaa tattctggga tctttgttaa ccgccgccgt gttggttctg attcatgcgg 180
 cggttagaag aagtgataat ttgtttcttg atgaagaagc tgcggcgggt actgaagctt 240
 cagggtgat gtcataccct tcgtcgtaaa tccaaaaatt tgtttttttt ttttttgtat 300
 gttactgagt ttggtgcnan ttgagaaaac tgacatgttc ttcctaanaa anccnnaggc 360
 atganaagng ggtngaaat cggtnaaaa aaangnccg gccgctcna aagggattcc 420
 a 421

<210> 10061
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-B8
 <400> 10061

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gatggcacta ttctacgttt tgatccttta cgttcccacc gtgatactcc gtctcccgtc 120
ggcttcttct tacaccgaat tcatgattcg gcgattcacc tgcgcggcca tttgtactgt 180
ancatctctc gtcttcacag cttttatact tccgataaaa agctgggagg cctcttatat 240
acttgagatt tatggcataa ggaaagatca tctgtggcaa ggagtgggtgt atcctcttct 300
attgacctcg ctcgtttatg ctgggggtctt tgggtgttgaa gttgtttact ctctggaat 360
catgggaagg aaaatggcng aaggatgtan ntcctttaat taaatcanga aacctttttc 420
caaa 424

<210> 10062
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-E8
<400> 10062

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catggcggag gaaactacga ttctcactct tcttctctcg atagtctcaa accaagcgta 120
ctagtcatca ttctcattct cctcatgact cttctcatct ccgtttccat ttgcttctc 180
ctccgtgtc tcaatcgtg tagccaccgc tccgttctcc ctctttcacc ttctcttcc 240
gtcgcaaccg taacttccga tccccgacga ttctctggac atcgaagtct ctcccgaac 300
agaacgggtc tccggtgctt gattnggctt ccgattttca aattctctc cgtnacttcg 360
ccgatctagc tccaatgaat tccccgaaaa ttgcgcgctt ttgtttggtc gaaaatttgn 420
aaccgggagg attaagctcc gtcttct 447

<210> 10063
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-F12
<400> 10063

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tgaattttct tctgcaaagc aaaatcgcag aagtcgtcgt gtgtccgcgt tgcacgaac 120
 cacttggtcg attctctttc gtcacctctt cttatatcat cagcaacaac aacccttggt 180
 tcaaattttct tcatttccgc cggatttata atcgcagatt gattctgac gatagagata 240
 gggttattca aggagagacc tcgattgact tcaattgtct tcctgattcg atagataaga 300
 tttaggggtta gcttgacgtt gacgttgata taggggaatg gagacggaca atgggaaggg 360
 gttgatacta gctgtagcgt caaagtgttt tcaatgggtc caacttcaat ct 412

<210> 10064
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-F5

<400> 10064
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 tcgtanagat ctctgattct aaccagacgc gggcgatgtc gaaagctcgt gtgtacaccg 180
 aagtcaatgt gattcgaccc anggattatt gggattacga gtcactcatt gttcaatggg 240
 gggagcaaga tgattatnag gtagtaagga aggttaaggcg tggaaaatat agtgaagttt 300
 tcgaggggtat naatgtgaan agcaaggana agtgcattat caaaatcctc aaacctgtta 360
 agaaanaaga agataanaag aagnattaan ntacttcana aacctatgcg ggtggg 416

<210> 10065
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-F9

<400> 10065
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 acaatgtgtg cccacactga tatggtcacc gccattgcta caccggtcga taactccgac 120
 gtgattgtaa cttcgtcgcg tgacaaatca atcatcctct ggaaactcac aaaggaagac 180

aagtcatacg gtgttgctca gcggaggatg actgggtcact ctcacttcgt tcaagacggt 240
gttctctcct ccgatggaca attcgctctc tccggatctt gggacgggtga gcttcgtctc 300
tgggatctcg ctaccggaga atctactcgt cgtttcgttg gtcacacgaa agatgttctc 360
tctgttgctt tctctaccga taaccgtcag attgggtctc gcttctcgg 410

<210> 10066
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-G10
<400> 10066

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ggaaaccacc attaaacct aagtacgtca cctttcaagc tccttcttct gtaggttttt 120
tctgttcttc tgattcatgt ttacaaagtt ttttttatgt ctcttctaac ttcttctcct 180
tctcgccgcg taatcagtc ttattgttct tcataatcgc agtaccaatc gcaatcgttt 240
tcttctctc tcgatctgtt cctcggacga gaaaactggg acaacaaacc tatgccgtcg 300
acgccgctgg ctaacggtgg tacgcctcct atgggtggcg gagagagaac gacggttaca 360
acttccacgg tggcgggatg ataagcctgg agtttcgatg atggag 406

<210> 10067
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-G3
<400> 10067

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agaaagtcac catcgctctc gactaggatc ccacctaagc agaagaggaa gtcaacgact 120
acgcacaaac ccatcaaagt ccgttacata tcaaatecga tgagagtcga gacttgcctt 180
tctaagttca gagagcttgt tcaagaactc accggtcaag acgccgctga tctaccaccg 240
tcgcccacca cttttaccgc cgtagatctc caccgtccgt gtgagtcgga gatgaactta 300
gagccggttg atggagaggt ccgtggagag tattattcac cgttggatga ggaagtgttt 360

aatgctcctc aagatgtcgg caggtctttc tggntttttc tegtctctgga ttttaciaaat 420
g 421

<210> 10068
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-G4
<400> 10068

aaaccgaaac atcaagcaaa caaaaaaaaaa agagaagaga aattatTTTT ttttgTTTTc 60
gttttcaaaa acaaaatctt tgaattttat ggcaaccgt cttctccgaa caaactttat 120
ccggcgatct taccgtttac ccgcttttag cccggtgggt cctcccaccg tgactgcttc 180
caccgccgtc gtcccggaga ttctctcctt tggacaacaa gcaccggaac cacctcttca 240
ccacccaaaa cccaccgagc aatctcacga tgggtctgat ctctccgatc aagcccgctc 300
tttctcctct atcccaacct ctgatctcct ccgttccacc gccgtgttgc atgcggcggc 360
gataggctct atgggtcgacc taaggagcgt gggtcatgag ctctaaactt atggacg 417

<210> 10069
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-G8
<400> 10069

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atgcaagggc tgcaagttta ttttcaatca attgtggcag caaaggattt catctacttc 120
atctactgcc ttacattcgt cacttcacat ctctgtctca agtttgcttt gattcccatc 180
ttgtgccggg cacttgaaca agtagccaag ttcttgaggc gtaactttgg tcggtccact 240
atatacagaa agtacttgga agacccttgt gtgtgggtgg agtcaaacac tactaccctc 300
aacatcttgt catcgcatgc tgagatagcc attgggcttc cttctgatta tctctctgct 360
ctcaaggcaa cgttacaatt atacagacgt caatgtactg ggagctattg aa 412

<210> 10070
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-G9

 <400> 10070

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 aaccacatc gaatctcaac tcagaaccaa caatgctcca acctttctct tctcctctg 120
 tttctcgag aatcctctgg actttcttgg tttagaaga ttcgttggtg aatcagagag 180
 aaagaaagca tccatttttc tatcattgct tgcttgctat ggaattgggt aaatcncgat 240
 tctacttatg ttgcaattgc ttttctcctg ttaagatttt ccgattattc tttagctggg 300
 aagtgattat ccagacgcca tctccatcac tttcaattgt attccnatac cttcttctga 360
 agattcttng tagttctcga ttcgatgttt aaaacttcaa nttctcttcc aaatctt 417

<210> 10071
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-H11

 <400> 10071

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 gagaatgggt tcaaccaagc aattgagctg tctgctgaga ttctatctaa tgtgaagtcc 120
 atacaagaaa agaaattgat tgggaagtac tttgaggaga ttagtcaaga cactgggaaa 180
 tatgttttcg gtgttgaaga tacttttaaag gctctggaaa tgggtgctgt tgagactctt 240
 atagtgtggg agaattctaga tattaatagg tatgagttaa agaacaacac gaccggagaa 300
 atcgtgatta agcatttggg aaaggatcaa gagaacaacc aaagcaattt ccatgatgca 360
 ngagactaat gcagagttag aagttcagga gaagatgcct ccgcttgaat g 411

<210> 10072
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H3

<400> 10072

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tcaatgtggg attggtttgt tacccaaaaa gatacagtat tgctgctcgg aagttcgtat 180
gtggcttgct cctcctcctc ttccgatcca cttttggta aggctgcaaa agggcaagcc 240
atanntcgtc ctccagcttg gatgatgagg caagcangaa ggtatatggc tgtttaccaa 300
aagctcngcc aagaaacatc cgtccttcag agagagatca gagaacactg atctaatagt 360
ggaantctct ttgcagcctt ggcangcatt cagnccanac ggtgtcatca tttttntc 418

<210> 10073
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H4

<400> 10073

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga tgtgattagg aagagcaata 120
gaggaagaga agaatcagaa aaaatggatc cggcgactaa ttcaccgatt atgccgattg 180
atttaccgat tatgcacgac agtgatcggt acgacttcgt taaagatatt ggctctggta 240
atttcggcgt tgctcgtctc atgaccgata gagtcaccaa ggagcttggt gctgttaaata 300
acatcgagag aggagaaaag attgatgaaa atgttcaaga gggagattat caatcataga 360
tcattgagac atcctaataat tggtangttt aaagangtga ttttgacgcc ttcccaattt 420

<210> 10074
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H7

<400> 10074

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cgccgagacc accgtctggg cgagtaaggt cgctgcgtga ttattcttcg gaatcagaaa 180

agatggatgg taccggtagt tgggacacgc ttgaatggac caaactcgat tcaacttcag 240

ggtcaggttc tttctcgaat ttgagttgct tgctggaatc ggagaggggc atcgctcagg 300

gttatggaag ttgtgcttat taacaccgat gaggcaggaa cccttttggg gactaatttc 360

cgtattcctt ttttgagtga aggaaccang aaaaagtcac tccaacnttg gtaca 415

<210> 10075

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-071-Q1-E1-A1

<400> 10075

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnntg gattggataa gagagattat cgaacaagct cnaactgtta 360

caagaaataa ttacaatcac agtgggtgtt tgaatcctga tgaaggaaat tcccnttttg 420

caatgataat tgtgcaacca atcctg 446

<210> 10076

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-071-Q1-E1-A8

<400> 10076

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 tcgntctcaa acaaattttc anttaggggtt tggttgttca cacgcancaa tgactccaac 120
 accaacacna agagctccan gcgcagacna ttcgattaat ctacaagtcg atcaaagttt 180
 ccgatcatta ccacnaactt tctctccgat tccgttataa ttactcgaac aanaagccgn 240
 naagaccacc accgttgatg agccaaagaa agatggagga ngaggaggag atcaaaagga 300
 agacgagcat ttcagaatct taggtcacca tatgtgtctc aaaaggcaaa ggagattgtc 360
 cacttttggt aacgcaaata aaagcatccg aagagaantt ccatcgtgta ttcagatctg 420
 gaatcgcgac tgctgctgta cgagcttgg 449

<210> 10077
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-071-Q1-E1-B12
 <400> 10077

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 cgtccgcca cgcgtccgat tattttcttc tgcangatcc ttcacacca caaaacctct 120
 tccgattgat tcatttantic cnaaaccana gctagagaat gcggctgcgt gttcttacac 180
 ggtgatcatt aagacaagct gttcctctgt gtcttacact anagataaga tcagtanatc 240
 gtttggtgat gtctacggca acgaggtgta tgtgaagaga ctanacgatc catcgtcgag 300
 gacgttcgaa aagtgttcat cagacacata caagatatcn ggaccgtgta tgcgcgacgt 360
 ttgttatctc tacctcctca ggcaaggatc cgacggctgg aaaccagaga atggttanga 420
 tntactgcnc atcccatcag atnagtcact ttctactaca angcttttct tg 472

<210> 10078
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-070-Q1-E1-E9
 <400> 10078

agtttcttgt taaaaaatg agagctattc aaactcatgt gataaccttc tgcagttag 60

tcattcatcgt aacatcatca acaagagccc aaaagagtcc tcatgtgcct aacaaccatg 120
aactttctat cgccatcgaa gaaatggaga aagcaaatta cttctctttt gtgatgctca 180
tcaacatggt accatccgta aatcctcgat tcttagccaa tgtcacattc ttgatgccaa 240
aggacaaaac cctttctaca tcaaacatta ttaatcaaca agattcgggt accgagttct 300
tgcttcgcca ctcaatccct tcttctcttc ttttcgagca ccttaatctc atccccaatg 360
gtccattgt tccttctctt ttaccacatt acaccctcga agatctccaa t 411

<210> 10079
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-B5
<400> 10079

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caggaacagt cactgctttc tacatgtctt cagatgggcc gaaccacaac gaattcgatt 120
ttgagttctt agggaaact accggcgagc cttacatagt ccagaccaat atctacgtga 180
acggagttgg aaacagagaa caaagactca acctttggtt cgatcccacc actgagtttc 240
acacttactc aatcctctgg agtaaagca gtgttgatt catggtagac gaaacaccga 300
ttcgagttca gaagaatctt gaagagaaag gtatccatt tgctaaagat caagcaatgg 360
gtgtttacag ctccatttgg aatgcagatg attgggctac acaaggaggt c 411

<210> 10080
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-B8
<400> 10080

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gctgaggaga tcatagcact tgagttagtt accatacttc tgggagacc aactgatgac 120
agtgttgagg tggctgttgg gtttgtgacg gaatgtggtg caatgcttca agacgtttca 180
ccaagaggat tgaatgggat ttttgagagg tttcgtggtg tactgcacga gggagagata 240

gataagagag ttcagtatatt gattgaaagt ctctttgcta ctaggaaggc gaaatttcag 300
 ggacatccgg ccgttcgtcc tgagctagat cttgttgaag aaaaatattc gcatgatctc 360
 tctcttgatc atgaaattga tcttgaaact gctcttgata ttttcaaacc t 411

<210> 10081
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B9
 <400> 10081

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 ccggatggct agatgggatc agattttctc cttacctgtg caaaatccta ccttgccaga 120
 attttcttct accgatcttg tctgggtcaaa ggttgaaggt taccgggaca atatagatag 180
 gttagccctc atcccatata ctagggtgga tgattttgta agaggtgaat gctcgaataa 240
 agattgtcct acaagtttcc atgttgaagc tagacgacgg aaagccaaag gaaaaaaata 300
 taagccaaag gtggatggca tcttgagta tattctgtat tgggtgttct ttggaccgga 360
 tgacaatang aaaggcggaa ctgtacggc 389

<210> 10082
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C1
 <400> 10082

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 cctcatgggtg tgtgtgcaaa acagggctga gtgactcagt gctacaaaag acattagact 120
 atgcttgtgg aaatggagct gactgtancc caactcacc aaaaggctct tgcttcaatc 180
 ctgacaatgt tagggctcat tgcaactatg caagtcaata gcttcttcca aaagaaaggt 240
 caagcttctg agtcttgtaa cttcactgggt actgccactc ttaccaccac cgatcccagc 300
 tatacaggat gtgcattccc ttctaaatgc tagtggttct aagtggaagc ggtanacca 360

ccgtgacncc aggcaaaaac agtccaaaag gaagcaacag natcancaac aattttcccg 420
 gggg 424

<210> 10083
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C2
 <400> 10083

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngaaaaaatc ttcagtttct gaatctagaa 120
 aatcagataa gggcaagaaa aggttttagaa agaaaagtgg gcagtcagat gaaagtgatg 180
 gcgagggtggc cgttagagag gatagtagac acgttagaag aaaggtttct gaagaggatg 240
 atggttctga gtcagaagag gaaagagtgc gtgacaaaaa ggagagagaa gaactggagc 300
 agcatttaaa agatcgtgat actgcacgga cacgaaagct aacagagcaa acgttgtcaa 360
 agaaagagaa agaagaagct gttcgaagag caaatgcttt ggagaaagat gaatttatat 420

<210> 10084
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C4
 <400> 10084

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 atcgcagagc ctctctaaag gttatcttca tgatctcact caatacatat gtttcgttac 120
 tatatgtttt tgcttctgat tgctggttatt ctgtaatcgt ttagagtcgt ttatggtttc 180
 ccccatTTTT tctgtaatgt ccatgctctg tttctttaca gtttcctctc cggttggtta 240
 gatatcangt ttagttcctg atttactgag aaaccaanct tttgagctta agtatgtag 300
 ggttctgacg ttgattgaga aatattataa actgggnttt caagtttant tctttctgga 360
 atttcttttg tagtccggat tatnaggtag actgctagaa tataccgggn tagggta 417

<210> 10085
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C7

 <400> 10085

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 gaaatcgaaa aaattttcaa aacaaaatct aaggaaaaaa gagcaacaag tttcaaattct 120
 catttgggtt tttcattttg aaaagaagga ccatttttta tctctctctt tgttttgttt 180
 tctcgaatct gaaggagtaa agttaaagc tttgaaggag agaataatg gcgggttaca 240
 gagcagatga tgaatacgat tacctattca angttgttct gataggtgat tcaggtgtgg 300
 gcaaatccaa tttgctttca cgattcacga agaacgagtt tagtctcgag tcaaaatcca 360
 cgatcggggt ccnagttcgc gactccggag tttgaaatgt tgatgaaaaa ngtc 414

<210> 10086
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C8

 <400> 10086

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 cgatgcgttg aagtgcctga aaatctgcaa aagtgcctatg gaagctggag atcgacctcg 120
 cgctttgaaa ttcttggtta aagctcgctg tcttgatcca aatctcccga tcgatgatct 180
 cgtatctgag cttaacaaca acaaatcaga cgaaccagga tctgcaaaat cgcttgatc 240
 tgcagcagca aaggattctt ccaattcttc agatcggcct tctttacgtc aacgtggatc 300
 gtcaacaacg tcatcgtctt cttcgatgtc ctacactgaa gaacagatct caatcgtgag 360
 aaagataaaa tctaaaaagg attattacga natcttaagt ctttgaatcc aa 412

<210> 10087
 <211> 417

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-D1
 <400> 10087
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 aagacacact ctgtccaaga gaacaaacca gcaaatgctg atgatatatc gaacacaacc 120
 ttaccagaac accacgacgg tggcgacggg ggaatccaag aaacgtgggc cgcgattgga 180
 gattctggcg gcagaggagg aggctatttc gccggagaga gtaggaagaa gctggagaag 240
 aagaagagcc aagtgttgct tgagggatac gcgttgatg atcaagatga tttgacgaga 300
 gccaaagagtt tgacggatga tgatcttgag gagcttaaag gttgtttaaa tctagggttt 360
 ggtttttagtt acgatgagat tcctgagctt tgcaacactt tgcctgngtt agagcct 417

<210> 10088
 <211> 364
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-070-Q1-E1-D10
 <400> 10088
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 gtgaactcgt cacttgggat gctcgacttc ctttgagaaa tgaagctata gtaataccaa 120
 cccaggtgaa ctatgtggga aaagcgggaa atatatacag cagtggctac aaacttgatg 180
 ggagttcata tgttatatca aagcatatta gtaacacatg gttatgggat cgtgttcgtg 240
 taagtgggtg tgcatatgga ggttcctgtg attttgattc acattcggga gtattttcgt 300
 ttttatctta ccgtgatccc aacctattaa agactctaga catatatgat ggaactgggg 360
 attt 364

<210> 10089
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-D3

<400> 10089

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ttcgattggn tggtttggaa acatctccct aacacacgca gcaaacacct tcgttggtta 120
cggagacagt cactttttgt acatatggat tcnaatcaat cgatgcggct cctcagtgt 180
tggattggtc aaattggtga tcttggctnt aatttgctat ggcgttttat acacattgtt 240
gtgagcttat ggtacattgt ctctggcata tttgaggcaa tagaaagcta tgccataacg 300
ttaggattga ataaanagta cggttccatc gatcttgaga aactccggtg tctagctgtt 360
gtagtggaca ncnaagcaac tcanagatgt tgccaatgtt gttaaccttt gcan 414

<210> 10090

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-D4

<400> 10090

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tatacagttt ctgttaccac caaggatcaa actcgaacct cttgctctac gaatacatgt 120
ctcggggaag ccttggcgag ttacttcacg gcgggaaatc acatagcatg gattggccaa 180
ctcggtttgc tategcactc ggtgcagcgg aaggtctcgc ttacttacat catgattgta 240
aaccaagaat cattcaccgt gncatcaaat cgaataacat tctcatcgat gagaatttcg 300
aagcccatgt tggagatttc gggtttagcaa aagtcacgca catgccacta tcaaaatccg 360
tctcaagccg ttgctggatt ctacggttac atcgctcccg agtatgcata cacaatg 417

<210> 10091

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-D9

<400> 10091

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caatccattt ctcgtttctc tgatttagat ccaaagatgg atgggatgaa gctttcgttc 120
ccaccggaag gtccaccact ttcagtcacg gttgctcttt ctctctcagc ttctccggtg 180
acgattgatt ctccgcgcgc tgcaacaacc gtcccttctt ttgtcttctc cgacgggagg 240
aaattgaatg gagccaccgt tcttcttcgc tatgttggtc gatcagcgaa aaagcttctt 300
gatttctatg gcaacaatgc ttttgattct tctcagattg atgagtgggt agattacgca 360
tctgtcttct ctctctggtc aaagtttgag aatgcttggt gtcgtgt 407

<210> 10092
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-E1
<400> 10092

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gtggaaactc acggaggaca gttcataagt tacgatatct tcggtagttt attcgagatc 120
acatctaagt atcgctctcc gattatacca attggctcgtg gagcttatgg aatcgtttgc 180
tctgtgttgg atacggagac gaacgagcta gtagcgatga agaagatagc taatgctttt 240
gataatcata tggatgctaa gcgtacgctt cgtgagatca agcttcttcg tcattcttgat 300
catgaaaaca ttatagctat aagagatggt gttccaccac cactaagaag acagttcagt 360
gatgtttata tctctactga attaaatgga tactgatctt caatcaaadc atcaga 416

<210> 10093
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-E12
<400> 10093

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acttttggcg gcgattcctt gttctctatt ttttttgcac aagcaacatt tagcttctgc 120
aaactccagt tcattctctca nccctcatat cgccgtgttt tctcgtctca gtaccgag 180
ctcgagcgaa ccaggaagca atccgttaat ctagaagcgg tgttgagaag atgacgatta 240

catcaaatat ctctgtacag aacgataacc tcgttggtca aggggaagact atccttacca 300
 aaatccctga caacattatc ctaactccgg ttaccggtaa tggattcgtt tccggttcat 360
 ttatangcgc gacgtttgaa caaagcanga gtcttcatgt gttcccatc gg 412

<210> 10094
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B3
 <400> 10094

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 atgtgtaatg atgataatgg tgttggttgt ctcttggtg gaanctgttt ctggagctaa 120
 gttccatgan ctttatcggc caanctgggc tatggatcat tgtgtcaacg aaggcgaagt 180
 cacaaaactc aancttgaca attactctgg agctgggttt gaatcaagaa gcaaatactt 240
 gtttggtaaa gtctctatcc angattaagc ttgttgangg tgattcagca ggaacagtca 300
 ctgctttcta cangtcttca natggnccga accacaacna attcgatttt gagttcttan 360
 ggaacactac cggcgagcct tacatantcc angaccaa atcctacgtn aaa 413

<210> 10095
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-E3
 <400> 10095

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 aaatctttgg cttccaccaa agattataag cagagatcat tcacttacnc gtatcaatag 120
 atcaaatctt catcacaata gaagaaatgg ttttagagac ggtttcaaag acggaaccac 180
 caccgttget tggacctcgt atctccttct catctgattt atctgacggt ggagatttca 240
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 actttgagtt cttgtcgtcg gaaaatgtga gtccacaaga gaatgcttac cgccgatgaa 360

ctcttctccg aaggtaaatt gctccttttt ggnaagttaa agcactcagg agnaacctaa 420
aaacaatta 429

<210> 10096
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-F11
<400> 10096

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atcttagatc aactatcatt ggtgacactc tagctcgcat gctcgagtac tcaaagggtg 120
aagttcttcg cagaaaccat gttggtgact ggggaacaca gtttgggatg ctaattgagt 180
ttctctttga gaaatttctt gatacagaga gtgtgaccga gacagctatt ggagatcttc 240
aggtgtttta cagagaatca aaattgaaat ttgatttgaa tcctgagttt aaggaaaaag 300
cacaacaggc tgtggtccgt cttcanggtg gagatcctgt ttaccgccag gcatgggcta 360
agatttgcca aatcagccga aacgagtttg ccaaggttta caaacgcctt cga 413

<210> 10097
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-F4
<400> 10097

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taacactgct tattcacttg agaagataac caaattcacc attcaggagt ggatgcagtc 120
agccccgat gtaaacctgc ttctaccaac acctaattgc ttcatctcta cggatttttc 180
attaaaggat ttaaaggata aggatatctt tcctgttttg ctgagaaaga catcatactc 240
aagattgtgg tataagcctg acacaaagtt cttcaaacca aaggcatagc ttaagatgga 300
ttttaactgc ccccttgagc tcagctctcc cgacgctgcg gttctttcag atatttttgt 360
ttgggtgcta gtggactatt tgaatgaata tgcttattat gctcaggctg ctgggtctga 420

ccgtantggg ggaaagtgtc ctgataccaa nctanctgtt taaggagac taagtcganc 420
 ggtggatata atccgtggg 439

<210> 10100
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-H11
 <400> 10100

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 ataacttcac aagtagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gagacacaaa acagaggaga taacagagtg 240
 gagattttca agaattggta atgagaagaa tcttaaagtt ccaaagtttt tcagagtcaa 300
 caaccttctg aggccangag tttnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 ncttttgtat aacttgctgg gtgagaatcc aaatctgaat aaana 405

<210> 10101
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-069-Q1-E1-H3
 <400> 10101

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 gctacgggaa cttgtgtgac tgttgatgga gttttgaagg ttccaccgaa aggtaaaggt 180
 acgcagcagc agattgagct taacgtttgt aaggtgattg atgttggaac ggtggatgcg 240
 tctaagtatc cacttcctaa gactaagttg actcttgaga ctttgagaga tgtgcttcat 300
 cttcgttcta gaactaactc gatctcagct gttgcaagaa ttcgtaatgc tctgtctttt 360
 gcgactcaca atttccttca agaacataat t 391

<210> 10102
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-H6

<400> 10102

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn ttaaaccggc ggttcgtatt tccgacggga atctaatacat caaaaaccgg 240
 acgattctaa ccggtgtacc agataatgtc atcacgacgt cagcatcgga agctggaccg 300
 gtagaaggag tcttcgctcg agctgtatct aacaaggaag agagtaaaca catcgtaccg 360
 attggtacgc ttcgcaattc ccggtttang tcntgtttcc ggtttaagct ctggtggaat 420
 ggccaagaga at 432

<210> 10103
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-A3

<400> 10103

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<210> 10104
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

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 <400> 10104

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tatcatttcc actactattg gaggcaaaaa cggcgaacca aagcagacca ttagttacat  240
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aactggagaa tcagtagcca ttaaaaaggt cttgcaagat cgacgctata aaaaccgtga  360
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<210> 10105
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-A6

 <400> 10105

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gaggaaacaa cgttgagaaa atggttaaag aagaagaagt aatgaagaaa gaatacaaga  240
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<210> 10106
 <211> 413
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-A7
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 aaatgtctag ccgccatgac aaagagaaaag gcgtcaatgt tcaagtcctc ctccgatgca 180
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 cttttgataa ggtgttttga ccatcagcac aacagaagga tttgtatgat caagccgttg 360
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<210> 10107
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B12
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 cactttactc gtgccaatTT ccttaaaggt ttcatttttg gtaccgcaac tgctgctttt 180
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<210> 10108
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B2

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 tcaatcgtat cacttacgtc aaattcgagt atgtgaagga agacggccaa gtcgtaacaa 180
 ctgaatatgg gaaaatcatt caacaacca aagagtttgt acttcaatat ccggacgaac 240
 atatcatagc ggtggaagga aactatcgcg gagtggctct atgtgccaca gaggtgatca 300
 caaacctcgt cttcaagacc tcaaagggtg gaaagtcacc actgttttgt ccaaacttgc 360
 ttggaattac gaccggtaca aagttcggtt ttgangatgg aggaaagaaa gatcttag 418

<210> 10109
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-E12

<400> 10109
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 ccgtcacaca ccaaccagag gaatggatcc taaattccta agaaaccaga ggtatgcaag 180
 gaagcacaaac gtcaagagtg gcgagaatgc tgggtgtnaa gagtagatct tttgatcgtc 240
 tgattgacag tttaagtttt ttttatgaat ttcacttggt tagacaaagg aaccaatggt 300
 ctacaatcag ggattatgtc tatccagatt ctcttanata ttttgcatgt tacttgattt 360
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 cctgatttnc at 432

<210> 10110
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-E4

<400> 10110

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tacagaaaga aagatggtaa taacatcctc ctctttcgtc ctgaggagaa tgcaaagcgt 60
atgagaaatg gtgctgagag gatgtgtatg cctgctccaa ccgttgagca gtttgtagaa 120
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<210> 10111
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-E6

<400> 10111

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acatttccac atttgagcgc gaccaattcg acagttatag cattgaagaa aaaaagcaaa 360
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<210> 10112
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-E8

<400> 10112

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<210> 10113
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-066-Q1-E1-E9
<400> 10113

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gggacttact acacaagcat cgtcccagtc ttacaaggaa gaaatctggt aaaagcaggc 240
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<210> 10114
<211> 395
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 10114

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cgatgatgat ggataatttc gggatgcagt tggattcttg gggtttggga tctaataaat 180
tgattgttcc caacgatacg acgtttaaga agcgtggatc ttgtgcgatc taanttggtg 240
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cgtcagttgt gatgccgana ttcactctgc taatcctctc gctagccgtc acgaacgtgt 360
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<210> 10117
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-F9
 <400> 10117

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 tgggtttcct gatagggggc tcttgcttcg tccnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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<210> 10118
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-G12
 <400> 10118

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 cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacgggtctt ttcaaggcca 360
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<210> 10119
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-G3

 <400> 10119

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aataaacggt gtaacgggtc attcgthtga agctgttgag caacaagtat tcgggtctgg  360
gccgggtcan atcccgtcca tgatgggttt cgthgagcaa gcgctthcca tgccgggaaa  420
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<210> 10120
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H1

 <400> 10120

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ctgatgagag tgthgtaaan tttcagthtt tacctcttht ggatangthc ttatgggatg  300
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<210> 10121
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H11

 <400> 10121

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ctaagaagcc cattgtagtc aaatacggnc tcaaccatgt gacctacctc attgagcaga   180
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<210> 10122
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H4

 <400> 10122

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ccaaaatcgg tccgctaggt ctgcaccaa agaagatcgg agaagatata gcgaaagaaa   180
ccgcaaagga atggnaagga ttacgtgtaa ccgtcaagct cacagtgcag aatcgtcagg   240
cgaaagtgac ggtgggttcca tcagcagcag cactcgatcat caaggcggtg aaagagccgg   300
agagagatag gaagaangtg aagaacatta agcataacgg gaacatctcg tttgatgatg   360
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```

<210> 10123
 <211> 447

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-E2

<400> 10125

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atgggactcc gtngaaaccc gattgntttc gatagantgc cngngggatc anccgagtgg  420
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<210> 10126
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-B11

<400> 10126

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gttccttttc gatgtcctca agcaagaaaa gattttgctt tcgtcgagcc gagtaagaag  180
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<210> 10127
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-B5

<400> 10127

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<210> 10128

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-B7

<400> 10128

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tatggaactg agaaagctaa taacattggc ctagttaatg ctggtcagta tcttcaagaa 180
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aatctccggc ttaagaaatg gatgagggca gtaataacaa naagctgtgc tattgtgcct 360
acaatgattg tggcaatccg tgttcaatac ttctgaanct tccttgatg ttttgaa 418

<210> 10129

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-C10

<400> 10129

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tcaaaactgg tgaaattgtg gctctcaaaa agatacgtat ggacaatgaa agagaagggt 120
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 ttcagctgaa agagattgtg acttcaccag gtcgggacag ggatgaccaa ggaaagccag 240
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 ctggactagc agatcgtcct ggactgagat ttactgttcc tcaaattaag tgttacatga 360
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<210> 10130
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-C12

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 gaccagacga agaagataac cgttccgaat tcctcttgaa acagtatgat tacttcggcg 180
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<210> 10131
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-C4

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 ttttgacggc ganaaggaat gatgcaaggt ctgtgaagat caagagaagc aaggacattg 180

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<210> 10132
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-C9
<400> 10132

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ggcgggtggc ttattcaaat gtgggccatg atcacgttgt tggctggaag acggcatcca 240
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ttgtttacga agaactctgc aaggcatgtg atatggagga cataccagaa ggcgagaatc 360
attcagacga catagaagaa gaaatgatca aaggcctctc ctctgtctca tgggaaaaag 420
ttgatgttag ctttcacaat tancaagc 448

<210> 10133
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-D1
<400> 10133

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tcntgaggct gaaacgaaaa tccgctcttg tagaaagaga acaagagccg tccaagaaac 120
cacggctggg gaaaagttcg aaaagggaat atgtatttgc tgtgctatgt tcgacactga 180

gccatgcagt gcttacgggt aagaaaagtc caggccccgc tggatcagca gcccggtcaa 240
tagtagcgaa aggagctgag gattcaaaaa gtagtgaaga gaataatagc agcaagttca 300
gatgatgaga atcataagga tgatggagta tcgagttctg aacatgaaac atcagacaat 360
ggnaagctaa atggggaaga atctctggta gtagctccaa aatcatcacc tgaaatggct 420
gtaaatggat tctgagatTT taacactctg ggctccttaa tttgtggctg gggnatggaa 480
aaggc 485

<210> 10134
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-D10

<400> 10134
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ttcaagttgt gctagagaaa tcgaatgccg aactactctc tgccagatca gccaatgttc 120
atTTggaaca tgaaatagct aatgtgaagg ttcagaagga gaaagagctt ttagaagcaa 180
tgctgatgat ctccatcatg caaaatgaaa aatctgaatt atctaaggca gtggaggggtt 240
tagaatgtag atacaaggaa gctaaagcga tagaagagga tagggataag caggtcttga 300
gactccgtgg agattacgat gagcaggTTa agaagaatag tcattcgaac gaagctaatac 360
tgaaattgga agctgacttg atgaactact caagggactc naagaaat 408

<210> 10135
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-066-Q1-E1-D12

<400> 10135
ttctcaagat cttcagagtc tacaagggaa gatcaaagta attaaataag ctgaagtaag 60
aggaagtgat gttttctctt atgtctggac tatggagTTa catgttttagc aagactgagt 120
ttaatgtgct tattcttggT atcgacaaaag ctgggaagac gacatttttg gagaaactga 180
agacgatata ctcaatctcg gaaggtcttc ctcatgatcg aattgttctt actgtggggc 240

tccccctcct ccgctttctg aacaatctcc ggctaaattt gtcctccac gtttttcgcc 360
gtcgctgct ccttctcatg cctcctccgt ctggaactgg gaaaaatt 408

<210> 10138
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-E11

<400> 10138

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atcgaagccc ttgtttctgg ttttagtctc ttgtctgaaa tcaatctcaa aaaggttctg 120
ttttttcggg gaaatgtgca gcttttgatt gtttcatttt ccgattgttt cagaagaact 180
ggaatcgccg taaagttcga atttttttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ggctgttggt gtaatctggg 300
aaagtttggg attttgtatc gatctcagat ggtgaaaaga cgaagaagtg tgattgtttt 360
ggggatatga ttaaagaacc tgaattgttc ctggtgttga aaanaa 406

<210> 10139
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-B10

<400> 10139

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ttcagtgga attcgaagct tccaatgagt ttgttctgta attcaatcgg aaacccttta 180
tccaaaacca ttcctttcac acaaattctc cttctttacc ttctccaatt ccaaattcca 240
aaaccctaaa ttcacaagct tcccacttcg tcaccaatgg cggatcgaat catgtctgaa 300
atcagcatct tcatcagaaa tcgatatggt aagaaacana gaaggatatcc tttgcaccaa 360
aggagaanaa aagttggtag tcgatgggg acttaagaca acaagaccac cacg 414

<210> 10140
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-065-Q1-E1-C4

 <400> 10140

tcaaaggcaa gaccgttaca aatctaacaa gataagaatc atctatacaa ctgcactaaa 60
 tgttcttggg aaatcaagga ggctgtgga agctctcaat gtattccacg ctatgctggt 120
 acaaatttca tcatatccgg atatggtagc ataccgttca attgcagtca cacttggaca 180
 agctgggcat atcaaggaac tcttctatgt gattgacaca atgaggtctc cacctaaaaa 240
 gaagttcaag ccancaacac ttganaaatg ggatccccgg cttgaaccag atgttggtgt 300
 ttacaatgcg gtgctcaacg cangtgttca acgtnnagca ntgggaangg ccatccccgg 360
 gtatttgnaa cagtt 375

<210> 10141
 <211> 340
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-065-Q1-E1-C8

 <400> 10141

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnna cttccaattc tcagattagg tgttcgataa 180
 atgagccggt gaaggtgatg atttcgggtg caccggcttc aggaaaaggc actcaatgtg 240
 agctcattgt tcacaagttt ggtttggtgc acatatcaac aggggatcta ttgagagcag 300
 aggtgtcatc tgggacanga tattgggaaa gagagcaaaa 340

<210> 10142
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<400> 10148

aaagatctct caaagaatgg cttccgcggc tgttgcatcg atggttcttg accctaaagc 60
atcaccggcc ttgatggatc tatccaccgc agacgaagaa gatctctatg gccgcctcaa 120
atcgcttgaa cgacaactag agttcaccga tatccaagaa gaatatgtga aagacgagca 180
aaagaatctc aaacgagagc tgttacgang cacaagaaga ggtcaaacga attcaatccg 240
tgccttttgg gataggtcag ttcattggna tggtagatca gaacaacggc atcgctccgg 300
atctactact gggctnccaa ntactangtc aaaatttctca ncacaatcaa ntagagaaac 360
tcttaaangc cttctgcctt cgggtngctc ttcancgtca nntcccaang nccctgggtg 420
agggttttgc ctccggg 437

<210> 10149

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-H6

<400> 10149

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gtccggaaga agcttagctt ataatcgaat ctaagccgtt tcgggaaatt ctgtttgtag 120
gtgacaaaat cctcttatag gggtattctt agctatgaat ttctctgca atttcttttt 180
ttccccgcca aaatttctcc tgaagcaaat gtagcttttt acttgctgaa ctaggggttt 240
gttcgatttt gttctctttt cctcgctgat tttgtcggaa tttctgggtt tgggaagaga 300
anttggannt cgttattgat tgaaatgaag aagcttttag gaggtccngg aactgtgtnt 360
ggtcagtnac tgagaatcgg acaatgttgc ttcagcctgc tgctttcaat cggggtnatg 420
gtctccggct aaaagaagtt cncgtgttnac actgcttttn tgctacttn gatctgcggt 480

<210> 10150

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-A10

<400> 10150
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 gaagaacaac aaaactcaga tcagagcaat ggtggaaacg ttattccaac tcctgaagaa 120
 gttgctacgt tcctgcacaa aactggtgaa gaaggtggat gggaaaaatg ttgggaagaa 180
 gagataacac catgggacca agggagagcc acacctctca ttgttcatct tgtcgacact 240
 tcctcactcc cacttggccg tgctctggtc cccggctgtg gtggaggaca cgacgtcggt 300
 gcgatggcaa gtctgaacg cttcgttgtt ggattggata tttccgaaag cgcactcgcg 360
 aaaagcta at ggngacttac ggctcctcac caaaaggcag aagttacttt tcc 413

<210> 10151
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-A2

<400> 10151
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 ttgcacaagc aacatttanc ttctgcaaac tccagttcat ctctcaacc tcatatcgcc 120
 gtgtttttct gctctagtag cgcgagctcg gacgaaccag gaagcaatcc gttaatctag 180
 aagcgggtgtt gagaagatga cgattacatc aaatatctct gtacagaacg ataacctcgt 240
 tgttcaaggg aagactatcc ttacaaaaat ccctgacaac attatcctaa ctccggttac 300
 cggtaatgga ttcgttttccg gntcatttan angcgcgacg tttgaacaaa gcaaagagtc 360
 ttcattgtgtt ccccatcngt gtattggg 388

<210> 10152
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-A3

<400> 10152
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tgacccatt actgtttctc tttcctctc tcctttggca acacacacgc ttaaggatag 120
 tgatgggtgat cctgtggctg tttcagtgca ccctgggtggg gattactttg tttgctcaac 180
 ctccaaaggt gggtgcaagt tatttgagct tgtcggagga gcaacaggta ttacgatctt 240
 agccaaagaa ctcttctc tccaaaatgc tggactacaa aagtgtatgg cttcagctt 300
 tgatgggtct aaattagctg ttgggggagt ggatggatgt cttagaatta tggagtggcc 360
 aaacctaagt gtaatttttg atgagccaaa ggcacacaaa tccatccggg acatggattt 420
 tagtctgact cagagttctt anccacaaca tcaaccggat gggtnaacct acaaaa 476

<210> 10153
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-A6
 <400> 10153

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnc aggatttggt ttttccgttt gaggtaaagc agctttgcag 180
 ttaaagaaac cttgagtatc caatgtcccc ggaagaggag ctacagagca atgtatcggt 240
 ggctagttct tcacctacta gcaattgcat ctccaggaac actctaggag gacttaaaga 300
 gcataactac ttgggtctct ctgattgttc ttctgttgga aagctctact ctctctcccc 360
 ttgtgaaga tgacaaaggn tacgatcaan cctcaaaggt aanggagccc tg 412

<210> 10154
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-B1
 <400> 10154

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 tgaatcggca aagctttaga agaaaatggc atcaggaggt aaagccaagt acataatcgg 120

tgctctcatc ggttctttcg gaatctcata catcttcgac aaagttatct ctgataataa 180
gatcttttga gggactactc caggaactgt ctctaacaaa gaatggtggg cagcaacgga 240
tgaagaaatt ccaagcatgg ccaagaaccg ctggctctcc cgttgttatg aatcccatta 300
nccgtcagaa ttctatcgtc aagactcgtc cggaatgaga aaatnataag gttcaatgct 360
ttgattttca gaataaggat gaancgatga cc 392

<210> 10155
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-B5

<400> 10155
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ttcgactgcg atggtgttat atggaagggt gaaacgctca tcgatggcgt ctcccaaact 120
ctcgacctta tccgttctaa gggtaaaaat gttgtctttg tgaccaacaa ttccgtaaaa 180
tcgaggaggc aatacgtga aaagttccga tctttggggt gtcacntcta ntactcagga 240
tgagatcttc ncttcgtcat ttgcggcagc tatgtatctc aaagtcaata actttcntaa 300
gggncangaa gggttatgtg attggtgcan aanggtgttc ttgagggacc tggcaggatt 360
gcnggtttna cagggtcctg gggggtcctt gaanaa 396

<210> 10156
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-G1

<400> 10156
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attctttgag aagcatccga aatctcaaaa gtgtttgttg ctctttgttc ttttagggac 120
atgtatggct attggtgata gtgtcctcac tccaacaatc tcagttcttt cagctgtttc 180
tggagtcaan ctcaagattc ccaaccttca cgagaattan gttggtaatc atcggnangt 240

ntcancttgg tggcganatt ctcagntcca ncggttatggt acgcananag tcgccttcat 300
 tttcggctcc aatctccact gcttggtcttc nctccatcag tagcattgga gtttacaaca 360
 ctataaantg ggaaccngcg tatagtcctc ngcgctttcg cccggtttan a 411

<210> 10157
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G12
 <400> 10157

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 cctcagaagc acttttctgg ttgcaacttc ctcaagccat tcgccatctg atgaacaagc 120
 taacgagaag gtctccgcag aaaatctctt cccctacttt agactcagga gctgatgaag 180
 tagctatgcc gagtaaaata ccatctactg gattatcgtc acctgaagcc aggaagatag 240
 actctatgtg tgatggttca cttagattga tggcttttga gcgaagaaga attacggacg 300
 cgtgccaatg aacgtcttcc ttggcatgaa aaattagacg gagaagattg cattcagaaa 360
 caagtacacg anctgataat cagttgggaa atttgggaag cctgctg 407

<210> 10158
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G3
 <400> 10158

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 gganattgag actggtttca agtcntgggt atcanaacag aagttaccgg tggnanccgc 180
 cgttgtcacg gccatgggtg gtgttcangg agctttttatc ggtgggttaa tgggaacttt 240
 atctcctgaa atgcctcaan gctgngtant gancctcaa agctatggct tcnctnannc 300
 aaaactcagg ctcntgttgg tgggcctttg gttcaagctc ggaactttgc tgctataact 360

ggtgttaatg ctggtattgc ttgtgttang aaacggatta gaaggcaacg ag 412

<210> 10159
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-063-Q1-E1-G4
 <400> 10159

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 gaaaaacccg ctccacgctt taatcatgca gcggcgacta ttgggaacaa aatgatagta 180
 gttggtggag agtctggtag tggcttggtg gatgatgtac aggtgcttaa ctttgattca 240
 tgtacatggt ccaccgcacg ttcaaaagtt tacttatcgc cgagtagtct tcctctcatg 300
 atccctgctt ggaaaaggcca ttgcttggtc tcttggggta aaaaagtgtc gttggtgggt 360
 ggaaaaacag atcctagcag tgatagaagt ttcagtgtgg gcatttgat 409

<210> 10160
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G7
 <400> 10160

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 atcaaggata ctaaatatga agaagccgtc aaggctcgctg atcaagtttt gtcgattgta 180
 cctaccgatg aggatgcgat ccgatgcaaa gttgtggctc tgataaaaga cgataagttc 240
 gatgattatc taatcaaaga cgtaagatc aatgggtgctc tctccgtcat taactcgttt 300
 ccaatcgatc tangttttca caaggatatag taattttgct aagatttgaa agttttttgg 360
 ggtctaattg atgtttctct tgataggcgt attgtttaat acc 403

<210> 10161

<211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G8

 <400> 10161

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 accatctcca accgcaaccg caacaacttt gttagcctta tcagcgatat ccgaagtggg 180
 agatgcaaag tgtgagtgtt gtggcatgtc tgaagagtgc acgccggagt acatacaccg 240
 tgtgcgttca naattctcag ggaagctgat ttgcgggctg tgcgananag cgggtggnggg 300
 ggagatggat aagannanca acagtgaagt gctgatggnn aagcggcnag aagangcagt 360
 gaagggtacac atgagcgcgt gttcncgggt caacnggcta ggccggga 408

<210> 10162
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H1

 <400> 10162

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 tagtaccttt tgttctgtct caagttacag agtttgtaag tatagattgt ggttgctcaa 180
 gtaactacac agaccaaga actggnctag gatgggtttc agattcagag atcatcaaac 240
 agggcaagcc agtaactttg gccaatacca attggaactc gatgcaatac cgtangagaa 300
 gngatttccc aactgacnaa taagaagtat tgttacagac tcagtaccaa agagangaaa 360
 gcgatncant tgnngaact acattcctta aagggcnggt ttgggtattg angaagccta 420
 acccaaaagn ttcaacttta cttgggggt 449

<210> 10163
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H10
 <400> 10163
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 ggtgtttatg gttgcatcaa gtgtgggttta tgaagtgcaa gggactttct tgtaaagct 180
 ttacttgagg aggaagtttc ccagacgttg tatcgacttt gcccttatg ctggcaaagg 240
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 attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcac 360
 gaaaaacatc gatgtggaga tgaatgggag atgtgaattg ctttcc 406

<210> 10164
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-063-Q1-E1-H12
 <400> 10164
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 tggataatag gaactaaatc tctttctctg gttcatcaat ggcggatcaa acgaagaaga 180
 gatacgttac aagcgaggat ttgaaaaaac acaacaaacc tggagattta tggatttcga 240
 ttcaaggtaa agtttacgac gtttccgatt gggttaaatc tcatcccga gggaagcag 300
 cgatttctca tctcgccggc caagacgtca ccgacgcgtt catcgcttac catcccga 360
 ccgcatggca ccacttagaa aagcttcaca atggctatca cgtggag 407

<210> 10165
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H4

<400> 10165

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tacgtgaagc catagagaag aaacaattag atcatgacca tgtcctgtac atattaggaa 180
cgcgtagtat ctatcagctc agagaaactt ttgttgctta caagaagaat tatgggggtca 240
caattgataa ggatgttgat ggatgtccag gagatgctga tctgagaagt ctattgaagg 300
tggcaatctt ttgtattgat actcctgaga aacactttgc aaaggtggta agagattcga 360
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<210> 10166
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H7

<400> 10166

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aaaaaccccg acgggttaat tcttangat 449

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<210> 10167
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H8

<400> 10167

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tgttctccgc tacgaatcaa tgatccacga attcgatccg tatttcaact accgtacgac 120

tcttttcctc acagagaaaag gcttctacga gttttggaac tggttcgatt ccgagagttg 180

gtatcctcta ggtcgaatca tcggcggtac tctttatecc ggtcttatgg tcacagctgc 240

gttaatcnac tgggacattg cgatttctcc cgattcttcg ttcatatccc gtgaggtttg 300

tgtgttaacc gcaccgtttt tcgcgtcgaa tacgactctc gttgcgtann ttctttggta 360

aagagctttg ggatacagga gctggctctg ttgctgctgt tcctancgcc 410

<210> 10168

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A4

<400> 10168

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gcatcatttc ttattanctc tcttcttcgt tgatactatt ttggtgtatt ttcgttctcg 180

tgctgttate tacgacaagt actacaaatg ctttagtgaa aatccccgaaa aacacgaccg 240

ttccggcggt aataagtgtt cggtgattca attgtcgatg ccggaataa cgacgacatg 300

ataacagaag ctagatgcga ttatgctccc tacggcattg attttgacgg tggagttgct 360

acgggaagat tctctaattg caaagtcctt gggatgatt gtagccggaa gagctangg 419

<210> 10169

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A5

<400> 10169

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tggttatgga ctctccgttc aaacctgatg tcgtcagagg tcaagtggct ctcatcaccg 120
 gtgggtggatc cggtatcggg tttgagatct cttctcagtt tggcaaacaat ggagcttcta 180
 tcgctatcat gggacgacga aaacaagtcc tcgatgacgc cgtctctgct cttcgatctc 240
 ttggaatcca ggctattgga ttggaagggtg atgttcgtaa gcaagaagat gcgagaagag 300
 ttgtggaagc aacttttcag cattttggta aacttgatat tcttgtaaac gccgctgctg 360
 gcaattttct ggctgctgct gaagatttgt cccctaangg gttcagaaca atctt 415

<210> 10170
 <211> 376
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-064-Q1-E1-B10

<400> 10170
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 ttttttgttt tcgttttcaa aaacaaaatc tttgaatttt atggcaacce gtcttctccg 120
 aacaaaacttt atccggcgat cttaccgttt acccgctttt agcccggtgg gtctctccac 180
 cgtgactgct tccaccgccg tcgtcccgga gattctctcc tttggacaac angcaccgga 240
 ancacctctt caccacccaa aaccaccga gcaatctcac natggtcncc atctctccga 300
 tcaagcccggt cttttctcct ctatcncaac ctctgatntc ntccgtgccca ccgccgtgtt 360
 gcatgcccgc gccgat 376

<210> 10171
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F8

<400> 10171
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 catacagcta atgtttacca tcgtgatctt aaaccaaga acatactggc aaatgcaaac 120
 tgcaagttga aagtctgtga ctttggactt gcaagagtgt cgtttaatga tacacctacg 180

acagtctttt ggacggatta tgttgccaca agatggtaca gggcacctga gctctgtgga 240
tcattctgtt ctaagtatac tccagcaatt gacatttgga gcattggctg catcttcgct 300
gaggtattaa caggggaagcc tttgtttcca ggaaaaagtg ttgtccatca gttagacttg 360
attaccgatc ttcttggcac accaaaaatca gagaccantg ctgg 404

<210> 10172
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-E1
<400> 10172

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ataacattga cgtttgcttt caccggaatt tgtcgcgtgg aattggaatg tgccctcata 120
gtcgatggga gaaagcctct aaagggtcat gggttcagac aatgtcacc ttcgaccata 180
aaatccttga tgttagaagt acctagctct aacaaggctc cattggaagt gtctgctgta 240
gaagaattat ttatgcatcg cataagtatt ctactcctt ggtgctgtat tactggcttc 300
ggcttctaca ctgagccaat ctttagcggt ttactacagt agtgcaatgg ctgttggtat 360
tactcttgtc gtgctgcttg ttctctttca nggaatgaag cttcta 406

<210> 10173
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-E11
<400> 10173

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tcaaattacg agcagatctc gtactctctg atgtctgaan atccggagta ccgttgcttc 120
attggtgggc ttgcttggac aacgtctgat cgtggtctca gagatgcctt tgagaagtat 180
ggncacctcg ttgaggccaa ggtggttctt gacaagtttt ctggtcgctc ccgtggtttt 240
ggattcatca ctttcgatga gaanaaagct atggatgaag ctattgcagc aatgaatgga 300

atggatttgg atgggcgaac tatcactggt gataaagctc ancctcatca gggtggtgca 360
 ggcaaganat aatgatggtg accgtggtcg anaccgtgga tatgatcgtg atcgcantcc 420
 gtccctctgg tgg 433

<210> 10174
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E12
 <400> 10174

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 gctgcagaaa tcatcagtgc aatgatacta ggtggaacaa tggctaagaa gtgcaaaatt 120
 gaagatccat caggctttat cctttttcct ctagttgttc attcttttga cttgattata 180
 tcctcaattg gtattctatc aatcaaggga acacgtgatg ctagtgtgaa atctccggta 240
 gaggatccaa tggctgtact tcagaaagga tattctctga caattatatt agctgttata 300
 acatttggcg cgtcgactcg ctggctgctt tacactgaac aagctccatc tgcattggttc 360
 aatttcgccc tatgtgggtt ggctggcatc atcacagcct atatctttgt ctgg 414

<210> 10175
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E2
 <400> 10175

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 gagtcattct gtgaatcctt ttcttctga gacatctaag ggagaagaat gtgaaataga 120
 tacacttact gaggcagaga atttaggaat taagcctgaa ggcttaagta ttggctcaga 180
 ggtttttca tcagacaagc ttctcgctgg agacaaaact gaacctcaag gccaaaccga 240
 tttggttgcg gtcaaggaat ttcccagtgc agagaacata ctgatattca agattaactc 300
 tgaagatata ggaatgaaag ctgaagaggg taaatcatca ttagggaatg cacaaactgt 360

tgaatcagaa accttgagag tttctctacc tgctgtagat tctgtant

408

<210> 10176

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-E3

<400> 10176

gctttcttct tcttcttcaa taatcgattt aggtttttca aagctaagtg tttgtgttgt 60

gataatgact agtagcgagg aagtagttga agtgacggtg gttaaagcac ctgaagctgg 120

cggaggaaag ttatcacgtc ggaagattcg gaagaaagac gccggtgttg atggtttggt 180

gaagtgggag agatttctcc cgaaaatcgc gcttagagtt ttgctcgttg aagctgatga 240

ttctactaag acagattatc cgctgctctt ctcaggaaat gtagttacag agttgctgca 300

gtacctgatg gcttaaaagc ttggggagat gcctaaaagg aaagcctgaa agttgttgat 360

ttgagaatta acagagggtg atctaacttc aatatccgga tatgcncctg cc 412

<210> 10177

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-E4

<400> 10177

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tttcttcttc acagatcaag aggtctttac actttaacgg attgagttct tcatgtctcc 180

ggtttctctt aaccgatttt gccggacgtt tacggcgggc gaagctcact ggggtgggttg 240

tgtataaagg cagttttgga ctctgcaatg atggagcagt tagggcttaa ggaatcagat 300

gttaagaatc cggctttatc ttctacttat cggggatcgg agattccgaa gccaaacctt 360

actgttcttg atgctcaagc tangggtttg tacagggtcg actcagac 408

<210> 10178

667799-133333

<211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-063-Q1-E1-E5

 <400> 10178

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 cgcagaagcc tgaagttgat gcgtggaccg gatcggattc gtcaaagtcg tcggctgata 180
 atttggctgg gtgggatgat tccgataacg atgacaagaa gtcttcaga gttaagaaga 240
 agagtttgat tgaaggtgta gttggggctg gagggtgctg aatcattttg tttcttgggc 300
 taagctatgc agcagcatct tttagcaagc gaacaaaaaa acaggaaatg cattcggtga 360
 cttctcagca ggaaagcatg attcaatcat ctgatgaaat t 401

<210> 10179
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E6

 <400> 10179

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 cgagttgatg aacaacaatt tggcactttg ggtataaact gctccattgc tagacctaaa 120
 cacgaagtgt ccaccangac gcccttcata cctcactttc atggtggcgc attgggcgat 180
 ggtatattca aaggtgaatt gcctgattgt ctctcagatg atgctttgaa tgactgatg 240
 gaggtgtctt ccaaagatga attgcctgag catgtcttag atgatgcttt gtatgcacgg 300
 gccggtggta ttttccaagg tgaattgcct gattggccct cagatgatgc tttgaatgat 360
 ggaaaacgat tttacatgct gaaggaatca gaggggcagg cca 403

<210> 10180
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-063-Q1-E1-E7

<400> 10180

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aaaagctttt aacttttgtc ttgctctggt tcatggacac tgatttctca attggtctct 120

gtttttgttg agtgggttga gaagagagat ggcgagaagt agatcgatta gtggttatgg 180

gatatggaaa tatttgaatc ctgcgtatta tcttagaaga ccgagacgtt tggctttgct 240

tttcattgtc ttcgctctctg tttctatget tgtctgggat cgtattaatc ttgcccgaga 300

acatgaggtt gaagttttta agctaaatga agaagtttca cggttggagc agatgttaga 360

agagcttaat ggtggtgttg gcaataagcc tttgaagact ctgaaggatg ccccaa 416

<210> 10181

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-E8

<400> 10181

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tggcacctga ttctcatctt ctttcttggt gaatctgggt tttgttgagg agttttcgag 120

gttcctcatn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnca acctttaaat gccctaattt tgaggttcta gttgtgggtt 240

ttaagattag gaggagaagc cctttcgact aaagttcatg ttagctgcaa tttgctgaag 300

tattcacaag ttttgttctg ttggaagctc tatgtgtttc cttctgtgat tgaaacacag 360

agagaatgat tttaccanaa gcagtattgt tgcacacact cgc 403

<210> 10182

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-F10

<400> 10182

acgcntccga ttcacaaaaa cttttcttca gattcacaat ctcatcacia cccttcaaaa 60

agagaaaaga tctaaagaat aaacaagagc cctaatatca aatcacaacc aaaaaaacca 120
aagaaagcta attaaagttt tctctctagc tattcctctt cttttcttgt tcttgaaaac 180
taggggtttac ttcaccaaaa gataagatct ttccccagaa aaagcaatac ccaagtcag 240
tttctgtgtg tctgtatata gataaaacat tacataccct aataagggtta cacaaatagc 300
tataaaagag ggaaaatang atagggattt tttgggggtga ggaaagatgg gaagaggaag 360
agtagagctc aagaggatag agaacanaat caacagacaa gtgacgtttg ctaaaacgt 419

<210> 10183
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-F11

<400> 10183
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tctcgttccg gagaagggtcc ttcaatggcg gataagaaga aggctgatga tgacaacaac 180
aacagcaaca tgggatgatga gcttcttgcg gttcttggct acaangttcg atcttctgag 240
atggctgaag tancacagaa gcttgaacaa cttgagatgg tcttgtctaa tgatgatggt 300
ggttctactg tcttaaacga ctctgttcat tataacccca tctgatctct ctaacngggt 360
cnaagagcat gcnttctgaa cctgaacaac ccggnnttctt cggatct 407

<210> 10184
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-063-Q1-E1-F2

<400> 10184
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gtcacgtaga aaatccctca gagatctgta aacaaagtag aatagttgtc cattagcggt 120
ttatcagtcc tacggcaagg aagcttaatc cgtcattcct cattgcctct tccatttttt 180

taatgttttt atatgatctt gaaggtgtgg tgctaggcag tcaggagatc tagactcttc 240
 taatgaagaa gcacttgacg gaatacttgg atttgggaaa gctaattctt ccatgatttc 300
 ccagctggcc tcatcaggga gagtgaaaaa gatatttgct cattgcttag atggaagaaa 360
 tggaggtggt atatttgcta ttggacgtgt tgtgcaacca aaagtaa 407

<210> 10185
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F5
 <400> 10185

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 tcataactgt tgtttctcta caatttggat atgctggatt gtcgatcata gcgaaattcg 120
 cactgaacca aggcatgagt cctcacgttc tagcgtcgta tcgccatata gtcgctacaa 180
 ttttcattgc tccatttgcc tatttcttgg atagaaaaat acggccgaag atgacgctat 240
 ccatcttctt caagatatgg ttgcttgggt tattggaacc aacaattgat cagaacttat 300
 actacactgg tatgaagtac actccgcca ctttcacagc tgcaatgaca aatgttcttc 360
 ctgcctttgc ctttattatg ggcatgggat ctttagacnt gag 403

<210> 10186
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F7
 <400> 10186

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 cctatttacg ctgtttggaa aacgaagcgt gtgttgaaac tgggaagcga gaggaagctt 180
 agggaagcga tcaggaccgt gcacgtgttg gtctctgaga ttgtcagagc taagaagaag 240
 agtcttgaga tcggaaccgg agcagaagca aagcaagatc ttttgtccag gtttccaacc 300

cgccggccaa caancggcga aagccagttg aggggacatt ggtttattag ntttatcatg 360
ggcggggaaa gaanatacaa acgtcaagca gccgatgaac gttggctggg ttttgggttt 420
gttgactgag aaacaattga cgttggaanc ngaaagattt tagaaagaag ttggacceng 480
ttggtgagt 489

<210> 10187
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-063-Q1-E1-D5
<400> 10187

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cctacttcaa cagccaacga cagaagacag tgatgaagag ctggaatatg ctgatagtag 120
cagcgggact gcggatcatt tgtcaggcct aaatctgcaa atggagtcca aagcatctga 180
gcttggctct gatggagcag gttacatatg ggaagtatgt gaaggggctc atgatgagga 240
gtggaagcat tctgttgac caatcccca ggataaactt tctgagatta ctgagccat 300
agacgatgat gacacagatg atgaaagtgt cgtcccgact tctggagagt tgaaatctga 360
tgctgatagt attaacactg atgtgaatga tccaatgat ga 402

<210> 10188
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A3
<400> 10188

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gcctcctect tcgtgcgctc tctgttttct cnacttcacg attactcgct agattcantg 120
aagcagttgt gagttaagtt ggagaaaatg gntgtgtttg ggaatgtttc tgcggcgaat 180
ttgccttata aaaacgggtt tttggaggca ctttcatctg gaggttgtga actaatggga 240
catatcttta gggttccac ttctcaagcg cttaagacaa gaacangag gaggagtact 300
gctggctcct tgcangtagt ttgtgtggat attccaangc cagagctaga gaacactgtc 360

aattttcttgg aagctgctaa gtttatctgc atccttccgt agtgctcctn 410

<210> 10189
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A4

<400> 10189

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atcacgagag caaattttcc agatggattt gtattcggaa cagcttcttc agcttaccag 180
ttcgaaggag ctgtgaaaga aggaaacaaa ggagaaagca tatgggacac tttcacgaag 240
gagaaaccag gaaagatact ggattttaag caatgcggat actacggttg atnaatatca 300
taggtttcac aatggacata gacctgatga aaagatctga gaatggatgc ntacagattc 360
tctatatctt ggncaagaat attccctaatt ggaacanggg aagtaaacc 409

<210> 10190
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A9

<400> 10190

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cataagatct anggaaatca ntgcatttta tagtgggaga ttaagtgagt acgatcttgt 180
acagatccag atgagagcag taatagagat ggcgagcaag gatcgtgaag taacagccgt 240
tagagttagt gccggtgaga ctggaatcac cgtaggatg ttcggtgaag agatcngtga 300
aaaggttctt ggagaacagg aagaagagaa gcaagatctt ttacacttac acctaatc 360
acctcanggt acttctcat catcttcttc tcttcataat ttccaatcaa taatttna 418

<210> 10191
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-063-Q1-E1-B3

 <400> 10191

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 actccatcac caaaccatgc cttccgattt aactcaagac gaattcacc aactctccca 120
 atcaatcgcc gagttccaca cgtaccaact cggtaacggc cgttgctcat ctctcctagc 180
 tcagcgaatc cagcgcgcgc cggaaacagt atgggtccgtg gtgagacggt tcgataggcc 240
 acagatttac aaacacttca tcaaaaagctg taacgtgagt gaagatttcg aagatgcgaa 300
 gtgggatgca cgcgcgacgt gaacgtgata agtggattac cggcgaatac gtctcgagag 360
 agattagatc tgttggacca tgatcggaga gtgactgggt ttagtataaa ccg 413

<210> 10192
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-B4

 <400> 10192

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 tagagagaat ccaggaatgg ttgattctgg taatggtttg agatacttta atctcttcga 180
 cgctcaaadc gacgccgttt tcgcagcaat gtcggcttta aagtacgatg atatcgaaat 240
 cattgtcacg gaaactgggt ggccgtcgaa aggagatgag aatgaagtcg gagctactct 300
 agctaacgca gcttcttaca acggaaactt aatccgtcgg atcttgacac gtggaggtac 360
 accgttacgt cctaaagcag atctaacggt cnat 394

<210> 10193
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-B6

 <400> 10193

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 ggtgacttcg gagggattag caagcggtga ttcttggtta tatcgccaag gtttcaacgt 120
 tgattcatgg ttgctttctg ataccttctc tcacgacaac gatttgctcg caagagctct 180
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 aagccgcaa gcgcgcgcgt cgtgcttcca agaaatctca ngac 404

<210> 10194
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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<400> 10194

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 atcgcttccc ggcggcggag gactgatccg ttacgggtca gctccgggat cgtttctaaa 180
 ctctgtgggt gacnaagtca tcggnagang ctcatcaaac gctcgtgact tcaccggcta 240
 tcaaccgtcg tcggataact tcatcggtaa ctttttcacc ggaactgctg actcatcctc 300
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<210> 10195
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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<400> 10195

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ttgttgggtca gattgctaaa cgtcaanctg ttgttaatcc gganaatact ttcttctctg 180
ttaagagggtt tattgggtana anaatgaatg aanttgctga acantctaag caggtttctt 240
atagagttat taaagatgag aatggtaatg ttaagcttga ttgtcctgct attggtaaac 300
aatttgctgc tgangagatt tctgctcagg ttttgaggaa gcttgtggat gatgcttcga 360
natttttgaa tgataaagta acgaaagctg tcatcactgt gcctg 405

<210> 10196
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-C3
<400> 10196

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tgcgccagtc tttctccgga ggttttctct cttctcagan cagctcatca nactgtggan 180
aantacgtaa agagtgggat gattattgggt ttaggatctg gacaagcttc aagattttgc 240
tatacgttat ttgggtcaac aacttggttc nggttcttta canaatgttg ttgggtgtacc 300
aatgtctgct cgaagtgcna agtgaagcag canagtatgg aatccccttg gaaaattacc 360
gggatgggtgt tcanattgat tttgcatttc atgatgcaga agctgta 407

<210> 10197
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-C6
<400> 10197

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tgtggctttt aaatcgagga atgatnatcc ttcncaacgt gtggntttta aatcgaggaa 120

gcttaagaga ggtgattgca ttgacagagg aagttcttgc cncngcaaag cagantgagg 300
 atttctctan cagatgccgg nngttagngc tgaagcaact cctg 344

<210> 10200
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10200

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 tggcccgctca gttctctctt gcagatgcta aacaaaancc atatggctat ggtaaaaacc 180
 aagctgcaga tgattttatcn ctagtgggtga atactancgg tttatacatt ccagctcggt 240
 ataggganga ccataatgta ttanatgcag acttagcaca atcctcagta aatgtggagc 300
 gttttcttcc caacatgtca catggcggtt cttcacttat aactccaaag gcagacagta 360
 actttgggtc tactaagtgg attgcggtgg gagccaaacc ctacattttc aagtaaaggg 420
 t 421

<210> 10201
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10201

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 ctcttctntcc aagtcgaaat tcgtatccgc cggagtcca ctcccaaacg ccgggaatgt 180
 tggtcgtatc anaatggntg ctactggat gcctggcgag ccacgatcag cttaccttga 240
 cggttcngct cctgntgact ttgggtttga ccacttga cntggggaaa gttccagcna 300
 accttgagag atacaacgga gtcaagagct catccactgt tngatgggct angcncgct 360

gttcctggga ttttgggtacc agaagcatta gnggtatggg aaacctgggt taaagggtca 420
tgga 424

<210> 10202
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-D4

<400> 10202

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aatggttgct ccgaatggctc acaaatctga taagaaactt atcagcaagt tgtcttcaag 180
ctcatttgga aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt 240
gtgcgagca aaggaattac atttcaacaa agatgggact accattagga gacttcaagc 300
tgggtgcaac aagctcgag atcttggttg tggtacactt ggacccaaag gacgaaatgt 360
tgttcttgaa gagcaagtat ggatcaccac naattgttaa tgatggtg 408

<210> 10203
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A2

<400> 10203

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ttttcttctc catccctgt ttttccatag acgaacaggg tctagctctc ctctcatgga 180
aatctcagtt gaacatctcc ggagacgctt tatcttcttg gnaagcctcc gaatcgaatc 240
cttgtcaatg ggtgggaatc aaatgcaacg aaagangtca ngtctcggag atacaactcc 300
aagtcagga ttttcaaggc ccgttaccgg cgacgaatct ccggnccagat aaagtcnctg 360
actttgctca gentaacct 379

<210> 10204
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D4

 <400> 10204

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ttantgttaa ctttattttc canttatttc atatcaacag atgctgtgaa tggatcattt 180
cctgcgcttt tggcttttgg agattcaatt ctcgatactg gcaacaacaa ttttctcctg 240
acttttatga naggaatat ctggccatat ggaaggagtt tcagcatgan aagggcgaca 300
ggaagatttg gaaatggaag agttttctct gatatagttg ctgaaggttt agggatcaag 360
aagattttac cagcttatcg taagttgttc aattctccaa gtgaccttat aactggtgtn 420
tgcttcgcat caggtggtgc angagttgac cctgttacat ccanattgct gagagtttta 480
acgccaaagg gtcaag 496
  
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<210> 10205
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D8

 <400> 10205

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tacgttttagt cgaagagatg acttctactt ccgctgcgaa gatctcaatg tttggtgcc 180
aatctggatt cgttatccct aaaaacaaac tatctggatc attgatccca atttttcaac 240
gtggaaacaa aaccctagga agtgccgatt cagacactgg acctccgtcg aagctgggga 300
agaaaagaaa gactaaatgg gctcctgatt tgtcacaaga tattgcagtc aagaaatgtc 360
gatttttagc ttaacaagaa acgcgtggat caaattacac agcgattggn atctggactc 420
  
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ctgaantgga gactaat

437

<210> 10206
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-D9

<400> 10206

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ttgaactctt tagctccgaa atggattaag aaatttatag tcgcttatca tttcgagact 180
gtgcanacat tgggtgtttcg tgtgtatgat gttgacacca agtttcaaaa ttcaagagag 240
gagatgctta ancttgacga acancagttt cttgggtgagg caacatgtgc attgtctgag 300
ataatcacia natcaactag gacgagcaca ttacganctc aagcgcaaag atggctttgc 360
tccacaggct cagcctcacc acggaaagct tancatccat gcngaagagt cncttgcttc 420
naagatttca aca 433

<210> 10207
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E1

<400> 10207

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caaaaagaag aaccatctct tgttaaacac tccaaaatca gctacaatgt caatttcaag 120
agtttatctc tgtctaactt ttctcacatt cgtcagttcc ccacttgtgc tctgctctcg 180
cagccccgaaa ctgcgagcag catcagcagc aataggggaag aagcatggga aagaacatgt 240
tcattctccg ngcaatgctt ttttctgaat tcccgaaggt tgattcanca tcctccatga 300
cacatattga tgagcctgca acaaantctg caatagccgg ttttttcagg tatagactac 360
cattccaggg atggcctttc cacaagtatg ctcttttccc aatgggtaca cctacgaatc 420

gctatggatt cagacaaatt gggagaagat cttcctgaga atgtcacctt aaaagatatc 480
atgggctaca cnttccaaag agg 503

<210> 10210
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E4

<400> 10210

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gttattttccc cgtggctctc gttggatact acattttcgg gaacggagtc gaagataata 180
ttctcatgtc acttaagaaa cgggcgtggt taatcgccac ggcgaacatc ttcgtcgtga 240
tccatgtcat tggtaggtta ccagatatat gcaatgccgg tatttgatat gatggagact 300
ttattgggtca agaagctaaa tttcagacca accacaactc ttcggttctt tgtccgtaat 360
ttctacgttg ctgcaactat gtttggtggt atgacgtttc cgtncntcgg gtgggcgttt 420
ggcgttcttt ggtggattcg cnttttgccc canccanaa tacttctctc ccttgcngtc 480
agttgggtta 490

<210> 10211
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E5

<400> 10211

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cgctgaggaa gaagaagtca atcctttcgc taatgctaga ggagttccac ctgcgctgaa 180
ttcgagactt tcgcctttgc ctccagagcc tgttggtttc gattatggtc gaaccgtaca 240
cattctcttt gacagagctg gtacacagga tttgaanaag aaagagaagg aactccaagc 300

caaagaagct gagctaaaac gacgagagca ggacctnana cggaaanaag atgctgctgc 360
acgagctgga atcgtnatatt gaa 383

<210> 10212
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E9

<400> 10212

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ccgagcgggtg ggttcgtgag gacgaaaggt gttcagttta gtctcaatgg ctatccatat 180
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tctaagatct ccaccgcttt ccaagatgct tctcgccatg gattgaccgt tgctcgaacc 300
tgggctttca gcgatggcgg ttacagggct cttcagtatt cccttggtc ctacaacgag 360
gatatgtttc agggtttggg ttttgcggtta gctgaggcaa g 401

<210> 10213
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F1

<400> 10213

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ccantgaaga acttaangat ggttttcttc aagatcctct ttatctcttt aatggcagga 180
ttagccagng aaaggatcta agatcaacgt anaagatctc caaaagttct ccctccacca 240
tacacagaac aacctccana ccataaagcc ttctattggt tcttgctggt nttgtgtgga 300
tcctctacat gttaaccgga cctaaaccg tttacctgtg tgatttctcc tgctacgctt 360
ccaccgtcgc atcncaangt caagtatcca naccctaag ggacacgcaa gacgtgcaag 420

agatgcaggc atgtgttgn acaacatgga gac

453

<210> 10214
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F2

<400> 10214

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gggcttttggc cacctgaaga agacgaaaag ctcacaaact acatcaattc atatggccat 180
ggatgttggg gctctgttcc taaacatgca gggttgcaga gatgtggaaa gagttgtaga 240
ttaagatgga taaattatct aagacctgat cttaaactgt gaagcttctc tctcaagaa 300
gctgctctta tcattgagct tcacagcatt cttggtaaca gatgggctca aattgctaaa 360
catctacctg ggaagaacag ataacgaggt caagaatttc tgggaactcg agcattaaaa 420
agaagcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnn 475

<210> 10215
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F3

<400> 10215

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ancttttaaa tagctgttgt ggaaaaggat ttgatgggaa gaagaaagaa aaggaagagc 180
catcttgagg ggtattttca ctgaaggaaac ttcacgcagc caccaacagt ttcaattacg 240
ataacaaaact cggatgaangt cgatttggtg gtgtctattg gggtcagcta tgggatggct 300
cacaaattgc agtcaagagg ttgaaggaat ggagtaatat agaagagata gattttgctg 360
tggaagtcga agattcttgc tcgtattcgt caaagaatt tgttgagtgt tcgtggctac 420

tgtgctgaag gacaagaacg tcttcttgtg tacgagtaca tgcanaattt tgagcttggt 480
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<210> 10216
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-F4

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 ggatnggaca accttagnac gggcgtggca acaagtggat tctttagctc caacacgatc 180
 ccaaacttct ccnncacctc cactctctct ccttgcggan ttttccaatc aanagaatgc 240
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 tatccagaaa cctgtcggga tcaaacttca gtggattctc ccatacatc gggttccnat 420
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<210> 10217
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-F9

<400> 10217
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 agaacggaaa cccaagcata acggcgaaag gatcgagcag agaactaaga cttggaagan 180
 ccgctcacia catgtcttct tcttctttga ggaaaaaatc agacctccga gtgattcana 240
 aggnttcata caaaagggtc ttaaagattt tctctcta atccaagaag tcattctcgg 300

aacaaagctt gccattcttt ttccggccat tctgcccgc attatttgca cctattgtgg 360
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<210> 10218
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-061-Q1-E1-D12

<400> 10218

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aaatgttatt aatctttggc ctcttgatct tagctatggc agctaaatcc gtcaatgcaa 180
cctacccttt aaccaaactc tgcataacg ggcaagggtg catcggggaa gacgatgagc 240
tcgaatctct aatggattca gagacaaacc gtcgtcaact cgcaagagga cgtcggtaca 300
ttggctacga tgctctcaaa aagaacaatg tgccttgcat tagacgtggc cgatcctact 360
acgattgcaa gaagagaaga aggaataatc cttacaggcg tgggatgc 408

<210> 10219
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-A4

<400> 10219

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ctacctggct atggaacatc agctatagtc gctatggata gaagttcaaa tttatcatct 180
ggaggatctc tttcttctgg gttactcctt tcgcaatcaa aggatgtcaa taaagggtct 240
gaacgtagtc tggaaagtgt gttacaatca agcaagcaga aggtcagtc aattgaaagt 300
atgctccgag gactgcatat atctgataga caaaatcctg cagcccttcg ttcaagtagt 360
ttggatctag gagttgaccc tccatcgtct cgtgatcctc ctttccatgc tgttgctcca 420
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agtaat

486

<210> 10220
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-061-Q1-E1-A8
<400> 10220

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gcaatctctt ctctttcctt ccagctttg ggtcaatcgg acaagatctc caatttcgca 180
tcttctcgtc ctctcgctc cgcaattcgc atctgcacaa agttttctcg cctttctttg 240
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ctctctgtat cagagacaaa gtcgaaattc ctaaaagctt acaagcgacc catccccgagt 360
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agacttacgt taagatccgg tttt 444

<210> 10221
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-B12
<400> 10221

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ccgatttttg aagaggtttc tgcattcgag aagagtgggg acaatatcgg agagttgaaa 180
ttggacggag gattttcgat gccgaaaatg gacaccaatg acgacnaagc ttttttggtc 240
cctgagatga atgcatttgg ncgccaatc agggactacg atgttgagag tgagaggcaa 300
aagggcgctn aagagtttta cagattacaa cacatcaacc aaactgtcng actttgggaa 360
aanagatgag ggctgaatan gggaaattng ataaaatggg tgat 404

<210> 10224
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B7

 <400> 10224

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 agagaggttc tggaagaaga ataatagaaa atatctagca gactcgggcc aggattaccg 180
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 gtttctccag atgagacgag aaggctcctt tcaaacaccg tggttgtttc tgtttgctgc 360
 tcttaaagat ggatgctcct ctggtgatat tcacgggtat gatgtttctc aggacaaatg 420
 gcataggatt gaaactgac tacttaaagg cccggtttat gtactccgtg acgagcatcc 480
 atgangg 487

<210> 10225
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B9

 <400> 10225

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 atctcgtgtt aatgttactc tctcccgcat tgacgcgatt gttgagcgag ggaattgcat 120
 cgaaggcgtg aagactgctt tggaatccga ggattacgaa tctgctgcga aatttgtaca 180
 gagatttctc cagattgatt tgcagtacaa ggattctggt tccgatcaga gcgaacagct 240
 tcacgcgtcg aaggagcagc ttgaaggat tgcaagaag aagctcttgg cagcantaga 300
 ccaagagaga tcactctaca attttgagat tcgtgagact gtattcccca ctgggaatgg 360

agacagaagg tctacaagct ttacgttggg tacttgaaaa aggtcattgc gttgagagga 420
 angatgggat atgaaaatgt tgttgagctc atg 453

<210> 10226
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-061-Q1-E1-C10
 <400> 10226

atcgggtaccg gtgttaggaa aatcaatccg tccaattcat aattaatggc gaccaccggc 60
 gcggcgccca ccaccgagat tggtaatcca gaatataaac agcctcgatc gatatttgac 120
 ttgacggcgg atttctttga ctctgtcgg ttgtcgaatc cttcggagac tcaatcggca 180
 ttcggaccac caaaaacttt cgatccagag gaggcggagg aggataagag ttccaaggac 240
 ggcgtgattt tggacagatg gacctgtaat acttgtaaaa ttgagttcct gtctcttcaa 300
 gatcaacgct accacttcaa gtccgatatt catcgctta acatcaagct gagtgttgct 360
 gggcaaggct atattaaaag aggaagatgt tgatgagttg ac 402

<210> 10227
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-061-Q1-E1-C11
 <400> 10227

aaaccaaaca agaccatag ggcactcgaa tactccatct tggtatcggc tacttccact 60
 agcctctctc ttcgtgctg ctctgtttc tctacttcac gattactcgc tagattcatt 120
 gaagcagttg tgagttaagt tggagaaaat ggttgtgttt gggaatgttt ctgcggcgaa 180
 tttgccttat caaaacgggt ttttgaggc actttcatct ggaggttgtg aactaatggg 240
 acatagcttt agggttccca cttctcaagc gcttaagaca agaacaagga ggaggagtac 300
 tgctggctct ttgcaggtag tttgtgtgga tattccaagg ccagagctag agaacactgt 360
 caatttcttg gaagctgcta gtttatctgc atccttccgt agt 403

<210> 10228

<211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-061-Q1-E1-C12

 <400> 10228

 ctcttggatt cacgtggatg acttgggtgaa cttaatttac gagggccctca ctaatccatc 60
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 gcagctaggc agtggttctta gccgaccatc gtggctacca gttcctgact ttgcactcaa 180
 agctttgctc ggagaaggtg ccaactgtagt tctggaggga cagaaggtat tacctgtaag 240
 agccaaagag cttgggttttg aattcaagta taaatacgtg aaggatgcac tcagagccat 300
 tatgcaataa ggtgacacac ataagcatct ttgtaaaatt ggttttgatc acagaaaatc 360
 cccagaaaaa caagatatcc ttttcttttc gtctctatat ctt 403

<210> 10229
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-C3

 <400> 10229

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 attgacatct ttgtatgagt atattccacg tatgaggaag tcaaattccan aagaggcaca 120
 agataatatt atcgccaacg gggtttccag ccagagaaca ttcaacatat tggatatctc 180
 gagcggacac ctatttgata agtttctgat aaacgaagct cttgatatga tcgaagcggc 240
 tgggtggctca tttcatttgg ctaaatgtga actggggcag agcgctgatg ctgaatcgta 300
 ctcagaactt gaagttgggtg cggatgataa gagagtattg gatcaaatca ttgattcatt 360
 aactcggtta gctaattcaa atgaagatta tatatcccca catagagaag canataagat 420
 ctactgaag attggtaaan tccagcaaga aaatgagata naagacaagc ctganatgac 480
 gaacaaatca agtgn 495

<210> 10230
 <211> 450

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-C6
 <400> 10230

acgcgtccgg tgattttcaaa caaaccttta ccagctcttc tacagcacgg agagattcgt 60
 cggagatagc aaacatggag aagaaacgag aaggagtaat cgaaggaatg agtcggatcg 120
 tatcagatcc ttactacttc ctccatttca tggccttttt ctcttacctc ccgatttcgta 180
 gctccgccgc accgtacact tctcatcgac tcttcgacag agaaatccan gcattttctag 240
 cgttttcttat gttttccgcc attaagatgg tgagggagga aacatgggaa gctttcgttg 300
 ctgatagttt actctatgct aagatctttc ttattgcggg ttcggttgatt atggnnttat 360
 cgagtggcgg tctggtttag tatcatattt tcaagttata tancctaata ncctcaacaa 420
 ccagcattta gtaaaactaag gaactgcgaa 450

<210> 10231
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-C7
 <400> 10231

ctgtttacgc ctggnccggg accgggtccaa aaattcccgg gtcgaccac gcgtccgcaa 60
 aaatggctat ctcaaagctt attctactct tgtgctcttt gttttgttct cttttgatgt 120
 tagtgttgct catccaggtc taggatttgg atggggaagt aatagtccca ttggaggatc 180
 tttttactca aatctttacc cacaatttta ccagttctct tgtccacaag ctgatgagat 240
 tgttatgacg gtgctcgaaa aagccatagc taaagaacca agaatggcag catctttact 300
 cagacttcac ttccacgact gcttcgttca gggctgtgat gcatcaatct tgttgatga 360
 tagtgcaacc ataagaagtg aaaagaatgc tggaccaaac aagaactccg ttagaggggt 420
 tcaagtaatc gacgaagatc aaagccaaac ttgagcaagc ttgtcctcaa actgtctcct 480
 gcgccgacat tcc 493

<210> 10232
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D10

 <400> 10232

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 ctctctttgc tgctttactc tcacagcagc tctttgcttc tgttgcttcc gtaagggttg 120
 aggatgccaa aacatactac ttatctctc cctctggctc acatggaact cctccatcac 180
 acactccaac tccacacact ccatcacaca cgccaactcc acacaccct ccttgtaact 240
 gtggaagtcc accttccan ccttccangc cttcacaccc ttccactcct tcgcagcaan 300
 cgcnatcaca cctccttct nggtgggata ttactcatct cctccaanca aangaactcc 360
 ggttggttgt gactccacca tcacncattg ttgattcaag gcacacccat ca 412

<210> 10233
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H8

 <400> 10233

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 aaaggcacaa tgtgtgccca cactgatatg gtcaccgcca ttgctacacc ggtcgataac 120
 tccgacgtga ttgtaacttc gtcgcgtgac aaatcaatca tcctctggaa actcaciaaag 180
 gaagacaagt cataccgtgt tgctcaccgg gaggatgact ggtcactctc acttcggtca 240
 agacgttggt ctctcnccg attggacaaa ttcgctctct ccgggatcnt gggacggtga 300
 gcttcgtcnc tgggatctcn ctaccggaga atctacncgt cngtttcgtt tgtcacaacg 360
 aanagatggt ctctctgttt gctttcngct aacgataacc gttcagattg nctcctgctt 420
 tctcggtgat tntaacgatt a 441

<210> 10234
 <211> 492

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F3

 <400> 10234

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 aactatgtgc tcaaaatcac cgctgatctc gagaatctca ctaatctcca gccttcggt 120
 ggctgcgacg attccaactt cccttacctc ttcaagttga aatgtgaaag atgtggagag 180
 gtgactccga aagaaacatg tgtgactttg aatgagactt ttactcctcc gggaggtagg 240
 ggtacttgtc atcttgttca gaagtgtgaa ttctgtggaa gggaaggga tgtgactatg 300
 attccgggca aagggtcgacc tttaactctg ggaagattct gaggctggag aaacatgccc 360
 ctcttatgg gtgtttgact gtcgtgggct atgaaacaa ttgatttcg gattttggtg 420
 ggatattgga aagctcaagc tgaatcctgg gnaccaaatt ttgatgaaga ttgatttgct 480
 caancgggga ag 492

<210> 10235
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F6

 <400> 10235

 ttaaggattt gctcttctga tatgtgagtc ttctcangag acttgccgat ctttttctcc 60
 cacanggtga ccatttcggt catcgataaa atgttgtagg gaggactaat gtagagggtt 120
 ttgttcagag tccttanatc atccaccgcc ttgatcatga ggaacatttt tgcgcgcaaa 180
 gatganggcc ttgtctctag tatgagaaat gagaccanac tcgaactgaa ntaacgtacg 240
 caagtaanaa ccggcagagc aattgctanc aacgtaagt tatggtattc cttcagcttc 300
 aatggctctc ctgatctgta ccttcctgac aaatnatgat tttgcnggct caaccgcaact 360
 ggtcntctca ncgtctatcc caaactcagc cggcaangaa tctctgcang agcaaaaaact 420
 atanatctag ttt 433

<210> 10236
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F7

<400> 10236
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 cttcactgtg aattaatcga gagatctaaa tatccgccat ggacagagca caattgatct 120
 tgtaggtct acctatattc ttgttttggt cggatctctt caacctcttc actcctccgc 180
 ctctaaacc tcagcctcac cgtcctcatc agccaccgca tattcctcac cagcatcgct 240
 ctaatgcgat catccccgaa accctagact ttccttcaca gaagacaagt ggcttangag 300
 gagcaattgg atatgggaaa tacagtagag atcaacttct gcgtctcctg ttcttacaag 360
 ggaactgcag tcaccatgaa gaagatgttt agagacggct tttcccgggt taagatgtga 420
 ttctcgcan tttacccaac caacangcac caanaacgcc ctctannct aagggtgtgc 480
 cggtttggtc aagatgggga 500

<210> 10237
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-G2

<400> 10237
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 actaataata cagagatgaa taatctagcg atggaagaag aggatgaagg agagattttc 120
 cttggtgaat ccgatgtcct ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctctgttcac 240
 acattcactg gtcacaaagg tgagctttat gcattggctt gtagtccanc agatgctaca 300
 cttgttgcaa ctggaggtgg agatgataaa agcatttctc tggaaaattg ggaaatggga 360
 gaattggggg ctgcnagacc ttctgtgtca caagggactc cntctcttgn tntagccntn 420
 tagccaatgg atgggncagt ttactttgcc ttctggaagg ntt 463

<210> 10238
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-G3

 <400> 10238

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ctgttacgcc tgcgtaaccg gtccaaaatt cncgggtcga cccacgcgtc cgctcttctc   60
tgcgatttta gctctagggg tgcatttcgg cgtcaaactg cgtcgttttc gaccatctcc  120
tacttactac tactcagctg cttctgcctt ctagggttct ttctccgttc accctccgcc  180
gcacgagttg tccagctccg ccgcattctt ctgtctccca gatcacgggc ttttaagcaaa  240
tccggctgct tttcactcta attcgtaaac cacttggtggg atttgagcat cttttacatt  300
ctccaaaatc tctgctttct anggttttgt gagttttggg tgggatgagt agtgtgttca  360
gttgattaag attctggatg ataaaccccc taaactcaat aagcagtcaa caagtccaac  420
cgaaactcct ggtcaacatt ggtgtataat caatccggag caaaagcaga atttgattcg  480
ttacgacatg gggagaaaac aa                                           502
  
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<210> 10239
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-G5

 <400> 10239

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gttctgttct cttcatctat tgatcctatc gttgcagcat caatcatgct caaggggatg   60
actgcacagt ttctccttcg ccgttgcttc aaggtcgaac ctgggcacac aatccttggt  120
catgctgcag ctggtggagt tgggtctctg ttgtgtcaat gggcaaatgc gcttggagcc  180
actgtgattg gaactgtctc gaccaatgag aaagcggctc aagccaaaga agatggatgc  240
caccatgtta ttatgtacaa gaacgaggat tttgtttccc gagtcaatga cattacatcg  300
gggtaaagga gtaaagngtt gtttaatgaa ctctgtgggn aaaagacacc ttttaagggga  360
tcgttagcat ggtttgaann agcccaagga tacatgggtga agcctttggg gcaaatactc  420
  
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422

<400>	10240					
acgcgctccgg	tcttggtaga	ctaaagaatg	tagccggaaa	tgtgaatcag	agttttgttc	60
agtgcctcca	tttctgaggt	atgggaagta	ctgtggacta	ctttacagtg	gatgtcctgg	120
tgagagacct	tgtgatggtc	ttgattcttg	ttgcatgaaa	catgatgctt	gtgtccaatc	180
caagaataat	gattatctaa	gccaaagagt	tagtcagaag	ttcattaact	gcatgaacaa	240
tttcagccag	aagaagcaac	cgacgttcaa	aggtaacaaa	tgcgacgctg	atgaagtgat	300
tgatgtcatc	tccattgtca	tggaagctgc	tcttatcgcc	ggcaaagtcc	tcaaagaaac	360
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ccctcaagg	acatttggcc	ttaatttaa				449

<400>	10241					
aantgttgcc	ccgccggtac	aagtccaaaa	attcccgggt	cgaccacgc	gtccgcggtt	60
ttcttatgga	atgtttggtt	gatttgagaa	agaatcttat	gaaacgagga	ttgaatcttc	120
ttattagaag	tggtaaacca	gaagagattc	ttccttctct	tgctaaagat	tttgagctc	180
gtacagtttt	tgcgcataaa	gaaacgtgta	gtgaggaggt	agacgttgaa	agacttgtga	240
atcaagggtt	gaaaagggtt	ggaaatagta	ctaancctna	gctcatttgg	ggaagtacca	300
tgtatcacia	agatgatcnt	ccttttgang	tttttgacnt	gccnngatgt	cnaaacccaa	360
nttcgaact	ncggtnggaa	ggctaaatgt	angatcanga	agnttcaaac	cgcatttcaa	420

cgaatctcct agggccaana ccntcnngnt gaagaantgg gggaagaatg gttccnactn 480
cttgaagaaa acttggggggg ttgn 504

<210> 10242
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-H1

<400> 10242

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gcaaaaactgc cgataaaaagt tcgttaactc ggaagctgaa gcatgatgtt atcgaaggag 120
tgaatcaact tattcaagag attgctgggt gtcattgagca gatcgctgaa caagctatag 180
agcatatata tcaaaatgag gtgattcctaa ccctgggtag ctcaagaaca gtgcttgagt 240
ttctgtgtgc tgcaaaggag aaaaaaagat cttttcgtgt atttggtgcc gaagggtgctc 300
caagatatca gggccatcta ttagcaaaag aattgggtanc tagaaggttt gcagacaact 360
gtgatcaacc gactcctgca gtgtttgcta aggatattcct cgagttgaat atgggttaata 420
aatttggagc tcatgcantt gatgggctaa tgggtggaag tttataaggg ccaagttngg 480
tgtcaacatt ggctgggtcc ttgcancaca aaaa 514

<210> 10243
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-H2

<400> 10243

aaaaatcaga agaaacaaca gcaacaagg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ttttgtaaaa accaaagctt 120
ttcttttttca taaatataat ttatttcaac acttggttac tggttttttct ctgtgaaaat 180
tgtcacggat ctttcgtttt tttttatana ctcatagcaa aaataatctc atccccagat 240
ttcttaccba tctatctatc ttcttctctg tctcttaagg gggttctgggt ttttagctgtt 300

tggggtttatt tgggtncgtt tctcacttaa tgttttgtcc ttttccaang ancagggaaac 360
 agtgaaaggg tcggtttttt gggtttccga tctgataatc aacaaggaaa aaanggtttg 420
 aanttaagtc cggctnnggt ttga 444

<210> 10244
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H6

 <400> 10244

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 atattgagcg attatgattc gcgcagctgc caaattctcc agagaagcag cggcaacgat 120
 tcgtggccgc acgatctccg ttagaggaaa ccttattcga tactcgacgc cattgagatt 180
 gattcacggt gaaatcagcg ttccaaacgc gaatcatgtt gctattcaga tggttaatta 240
 cgctctttct cacgctaggt cacanaaatc agatgaatct tatgctcaag ggatgctant 300
 gctntgagca gtgtcttggg aatcancctn acgatgatca nggtttctca tgattctaaa 360
 gcaanaagtc ttgccttgcn aangtcggnt ccttttagac gaaaagttgg gaaatactn 419

<210> 10245
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F1

 <400> 10245

acgcttgccg gtggccgtcc anaattcaan gggtcgaccc acgcgtccgc ggacgcatgg 60
 gcggacgcgt gggttgagac tggcttgctt anccgcggag aactcagaac tcattcgctg 120
 caaacatggc aagaggtttg aagaagcatt tgaagaggct caatgctcct aagcattgga 180
 tgcttgataa acttggtggt gcctttgcc ccaagccgtc ttctgggcca cacaagtcta 240
 gggagtgttt acccttggtc cttatcatca ngaacagggt gaaagtatgc tctgacatac 300
 agagaagtga nttcgatctt gatgcaaagg catattcang ttgatgggga aaattgagga 360

ctngacgaag aacttaccct gccgggggttc antgggattg tttgttgctc aatcccccaa 420
 anacaaatgn agaaacttcc cgtcnttntg tantgacacc aagnggaccg tttccgtctn 480
 canctccatc aaggggtnga cgag 504

<210> 10246
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C11
 <400> 10246

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 cgtcaggggtc ggtttgggggt acggcgaccc gattttctga ttattanggt ttaagatctc 120
 gaggttgagg agagcttgaa aagttgtttg tcaacatgga gcgcaagact attgacttgg 180
 agcaaggatg ggactatatg cagactggaa ttactaagct gaaacggatt ctggaaggat 240
 tgaatgagcc agcatttgac tctgagcaat atatgatgct ttatacgact atctacaaca 300
 tgtgcacca gaaacctcct catgattact cacagcagct ttatgacaag tatcgggaag 360
 catttganga atatattaaa ccaaacagtt ttgcccgcgt tnaaggg 407

<210> 10247
 <211> 357
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C12
 <400> 10247

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 ttattattta gttattgcgg ataangaaca ctaataanat ggggatgtcn aaaagtatca 120
 aggttatctt anctcttgct ctcgtagtgt tentggccct tgctgcaacc aaggttgagg 180
 ccacaagnta cataacttat cctgctancg atcgtggaga tcatgctgta cattgtgaca 240
 aagcccaccc taacacctgc aacaagaaag aagcaaattc ttaccaagag aggatgagag 300
 aagatnancg gttgccgtgg tggataggtg gaaaacagtg aattaaccaa ccnccc 357

<210> 10248
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C3

 <400> 10248

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tcgtcatata tctaaatcac cccactcaag atttcaaatt ccctatatct ttgtttttat 120
aaattctttc taattttatt gtcacatata attgaagcct aataaatcac accacactgt 180
cttactctgt ttttgtttct tctctactct gttttttttt tttcccttca acattgaaga 240
taaacttata ttttctctct caaagactga nantttanca aaatgggtctc atcgctentca 300
tcattgttan ctccatcttc atatacagag ttaaaagatg cntgggaatc cancaacaaa 360
cagcgaagca cancaggnat caagctacng gtttaattgg nggggttatgg atctgctgca 420
tatgggtggn tatagcgaac tgtgatcana gg 452
  
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<210> 10249
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C5

 <400> 10249

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac aagaaagtgg 120
atgctgagaa aaaaggagaa gattctgaca agaagcctca agaaggagaa tctaacaaag 180
attcaaaga agattctgct ccggcggcgc ctgaggctcc agcaccgcct cctccgccgc 240
aagangttgt tcttaangtt tacatgcact gtgaaggatt gtgctagaaa aagtccgccg 300
ttgtctcaaa angcttcgaa ggagtggaag atgtgatgac tgattgtaaa aacggggaaa 360
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<210> 10250
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C6

 <400> 10250

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 aacatcaccg agttcccgat gtttattaag gacttacaaa gattatggtg gttagacatt 180
 tccaataata gaattaaagg aaaagtgcct gagttgttat ggactctgcc ttctatgctc 240
 catgtaaaac tctcacgcaa ctcttttgat tccttgggaa ggtacgcaa aaataatcct 300
 caattcgctg atttcggagt tagatttgag ttcaaagcc ttcaaaggat cttttcctat 360
 tattccaacc ttaagtcaac atcaatgggc tgcaatcaaa taaactaatt cacngg 416

<210> 10251
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C8

 <400> 10251

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 tactacgagg ttgaggatga ggaagaacct cttctccaat ctgttgagtg tcgtatttgc 180
 caagaggaag atagtactaa gaaccttgaa gtccttctg cttgtaatgg tagtttaaag 240
 tatgctcacc gcaagtgtgt tcagcgttgg tgtaatgaga aaggcgacat aacctgtgaa 300
 atatgtcacc aagccttctc aacatggata cactgcacct ccgcctctc ctctgatga 360
 aactataatt cacatcggtg acgattggga naacgggggt tcggttggn c 412

<210> 10252
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-D1

<400> 10252

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cgtgggagac tatatggcct cccattgtct catgagagta atcctcctca gattctccaa 120
tggcgtctct tccagatcca ttctcaactc cactaaccat cgtcttctta ngtcttacca 180
tgaccaacac tctctcgtct ctttctcctca tctctcccca cactactant tcgcatttca 240
cggctgcgtc acaacaatca gatgaccaga actgcttccg caagcttcan actcagnnaa 300
ggatttcgat ttcaactcct ctttgtatgg gtcgtcgttc ttccaagatc gctgtccaaa 360
gggcnctcaa anatttcaaa ggaaaggcga agctatactg tanaaatttg gnangggngng 420
ttngtaccct gcntgttcaa agaaangggg ggtccaaaaa ccaagtttta aaattacgan 480
ctccgggcta actanttctt ggagaa 506

<210> 10253
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-D10

<400> 10253

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acgacagcga tgatgagatc cggatatttg aaaagttgaa atataagaga gtctctgtgt 120
gtaatgagga tactgagtct ggaaggaagc agttgacgcc atctgggatt acaaatggag 180
aaaattccgg caagaagaaa gctgtgtccg aacaggcgtc cgaagacatg gattgtgcgg 240
aggaaattga aacggcgtct gatgaaaaag agattggtaa tgataataag agggaatcaa 300
ccatgactag tcgtcagcga gcccttgctt ctggcagatc cagcgcgatt gatttttcag 360
atggattacc tctacatct aagaagtaag attttaatcc ttgctactg ccacataaat 420
cttagcaatt aagggtcata anggt 445

<210> 10254
<211> 417

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D11

 <400> 10254

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 cgattgtctc cgacgaagag aagctgacac ttctgggttt cgtcaatttc tactgggata 120
 aagctctcta ctaccttttt gctcagagaa aatgggtttga ttttcgagga tgataaaggc 180
 ttcaggttgt tgtagagggtg tttttgccag ctttggtgct ggtcatggat tttatcgctt 240
 cttgttatTT attatctggt tatcaagctt ccaagatgta gctgcgcatg ataagcttaa 300
 tgagcatagt agcagatcca caacctctga attggcaaatt ccacctggta ttgggagtat 360
 ctggtcccat tcaagtatca ncgtccgtaa tccccaaata tgcacccccg gtccaac 417

<210> 10255
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D5

 <400> 10255

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 caagcacaac agcaagcctg gctccagaag agaagaacgg agaacatggc tcgtaaatca 180
 gctggagagg agcctttacc agaagaggat ccttcaaacc caatctttaa ggcgatccct 240
 gaaaccatcc taaggctaga ngagttccct catcaacaaa accaaagtTC ncaanactcc 300
 tgggtggccaa aatcaatngg agttggctng gcaaaaatTT cangaagggc ttaacctnga 360
 caaaagcaat tgcacgaacc aactgatggn anaagaacaa cccaagnTTT tggTTTTTTg 420
 agtcnagaaa anntggaaag aacttgggng ggaanaatgg gttcctaaat ttggtTTTTc 480
 cgngggatgt ttttgTTTT 500

<210> 10256
 <211> 408

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D6
 <400> 10256

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acgcgtccga gaaaaaatgt cagccatgga agcactgatt ctccagctgc atgaaatcgg 60
cgccgtgaaa ttccggcaatt tcaagctcaa atctggaatc ttttctccgg tttacatcga 120
ccttcgtctc atcgtctctt atccatccct cttaacacag atctctcaaa ctctcatctc 180
ttctctttcca ctttctgcaa ctttcgacgt cgtctgtggt gttccttaca ctgctctccc 240
tategccact gttgtctctg tttccaatgg tateccctatg cttatgcggc gtaaggagat 300
taaagactat ggaacatcta aagctattga aggaatcttc gaaaaggatc aaacttgttt 360
gataattgaa ngatcttgta actagtgggt gcttctgttc tcgaaacn 408
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<210> 10257
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D7
 <400> 10257

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tttacgccgn ccagtaccga gtccaaaaat tcccgggtcg acccacgcgt ccgnggacgc 60
gtgggctaaa ggtttcgact ttactgtttc tattttcgga aagagagtgc aagattgaaa 120
tcgaagatga aggcggcaac aaggccgatc cacgccgtga cgacatgggt tcgtcggcaa 180
ccaccaaagg ttaaaggttt tctcgggtgt gtctccgcca tgactgccct cgttttgttg 240
agagtgattg ttcatgacca cgacaatctt tttgtcgtg ctgaagctgt tcattccctt 300
ggaatctccc gtcccttaat cctataaaac tcaccaaagg aagagggact gtgcctggga 360
ttaanctcct caaagggtcaa caaagaagct aaacaagctc ctgggtttttt ggccgggtga 420
agaactggta ttggtagttt ttggttgnat gggaantttg aanaattcaa caacgtttac 480
ntggacncgg ctacaattgg ggggactaca ctttt 515
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<210> 10258
 <211> 413

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D9
 <400> 10258

tttgttgtcg agaataactt gtgggccatt gggatgtctc acttgagagc cacttctgac 60
 cccgagattt ggaagaaagg tcttgcattt gggatgcctg gtgttcatgt tgacgggatg 120
 gatgtcttga aggtcagggg agtcgctaaa gaagctgtca ctagagctag aagaggagaa 180
 ggtccaacct tggttgaatg tgagacttat agattcagag gacactcctt ggctgatccc 240
 gatgagctcc gtgatgtgc tgagaaagcc aaatacgcg ctagagaccc aatcgagca 300
 ttgaagaagt atttgataga gaacaagctt gcaaaggaag cagagctaaa gtcaatagag 360
 aaaaagatag acgagttggt ggangaagcg gttaatttgc aaaacccaan tcc 413

<210> 10259
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-E1
 <400> 10259

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 ccgtataatc tgataataaa gtaagatgtc tgctactccg gaagaagaca agaagcctga 120
 ccaaggagct cacatcaatc tcaaagtcaa gggacaggat ggtaatgaag tcttcttttag 180
 gatcaagaga agcactcagc tcaaaaaact gatgaatgct tactgtgacc gtcagtctgt 240
 ggatttcaac tcaattgctt tcttgtttga tggcgtcgt cttcgtgccg agcagactcc 300
 agatgagctt gaaatggaag atggagatga gatcgaatnc aatgcttcat canactgggt 360
 tgggtggtgct aaaaatggcc tgaagctctt ctgcttttan tggcgggtta ttttaaangg 420
 ttttcc 426

<210> 10260
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-B9

<400> 10260

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 tgtcaaaccc tgctctcttt tctccaagtg ctctcatggg gcttccgctc ttccggcgcg 120
 ctgcgacgc ccggacttcc tcgcttctca gagctcgtct tttcgctcct gcctccgaat 180
 tccattctcg ctttttctaataat ggactataacc acttgagcga caaaattagt agcagtaatg 240
 gtgtgaggtc tgctctctata gacttgatta caagaatgga tgataagttc tccaaagccc 300
 attctcgcat ttggcggtgca aaacttttca tctacaggac ccatatcaca aacgggttctt 360
 gcaatgccaa ccttgtctcc taanaatgag tcatnggaaa tgttgtaaaa atggntgaaa 420
 aaaaga 426

<210> 10261
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-G11

<400> 10261

ttactcactc tctctctctc tctaaaaaca gagctcaaca ataatgatcc actaaaaaag 60
 attctctttt ctcttcttct cgggtgattt acttacttaa caatcatggc gtcgctcgag 120
 ggattagcaa gcgttgatcc ttggtcattc cgtcaaaact tcaacatcga ttcgtggcta 180
 ctctctgatt ccttctcaca cgacagtgat atactcgcta aagctcttca cagatccatc 240
 tccaanttcc ancgatcat cccctcttct tcttctatct ttcttcgact cttcaaccgc 300
 cgccgtcgat ttttctctc ctcaaactct ctccaacgct tctttcggtt cagattcaag 360
 aantcncgg ncgctagtgc tcttgggnct cngggaaach aaaaacgttg gtcct 415

<210> 10262
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G5

<400> 10262

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aggtcagcga atccggcgac gaatatccgc cactagtaac tctagctcag gtaaggattt 120
gtgtccatgg cagctttgca aacgcttcgt gaatggatcg gtatccagca gttcccacct 180
gctactcaat ctaaattgct cgagatcctt gggaagtata aagaagagga tgtgagctcg 240
ctaacggtcc ttgtaatggg gaaagggtggg gttggaaagt catcaactgt gaattcagtt 300
ataggcgaag aaagctgctg cagttagtac tttccagtct gaaggactga ggcctacctt 360
gggtctctcg cacaaagatc gggattttaca ttgaatatca tccgacactc ctggtcctaa 420
tgaagggaag gtatgttgaa tggttcaanc caa 453

<210> 10263

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G9

<400> 10263

ctctcgagac tcgtgtatgt tgatttacgg tttgttcaag caaagagaat gatgaatcta 60
ggatctcttt cgttgagtac gagcaagtcg agtaagccaa tggtagcat cagcttttgg 120
ataccgtatt tcaactactg gggagagagc ctgctgggtc gtggctcggc tcctggactt 180
ggttccggga atgtgaaaaa aggtttgctg ctaaagccat cccagcaaga tgatcagctc 240
atctggagtg gctctgtctc gggtccacct gggtttagct ctgactattg ttactatgtg 300
gtggatgact cgaagagtgt gttaagggtc ggagtttggg atgaaacgaa aacttggtgg 360
gcctgagaca ttgaccggtg gagaatctgt tcattctcgt gatcccng 408

<210> 10264

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H1

<400> 10264

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gatgcatact aaagatggac catcactgtg tttgggtggt gaattgtgtt ggtgcaaata 120

actacaaatc atttctccta ttcttgTTTT acacatttct tgagacaacg gtggttgcag 180

tatcactatt gccaatTTTc ctggtattct tcagcgatgg agatggtgat ataaccgtat 240

caccaggaag cctagcagcc agctttgttg catttgtatt gaacatanca tttgccctaa 300

gtgtcctaag gcttccctaa taatgcacat aatgttggtc gtcgtaaca acacaactat 360

tgaggcgtnt ganaaacata cagttaactg ggcaatacaa cgtttgggcc gtaagacaaa 420

atttn 425

<210> 10265

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H5

<400> 10265

acgcgtccgc tgcttcgatg gactctcaact cttcccacct caacgccgcc aatcgttccc 60

gcagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

acaaacgcaa actcgccgcc accacggcag cgaatgcagc cgcttctgaa gatcacgccc 180

ctccttcttc ctctttccct ccttctctct tctctgccga tactcgcgan ggggctttaa 240

cctccaacga tgaactcgag agcatctccg ctcgcgccgc cgatacagat tcagatcctg 300

atgaatcaga ggatatagtc gtggatgatg acgaggacga atttgctcct gaacaggacc 360

aaggactctt cnatccgcac attcaaccgg gcggctcgag tccattccaa gctctggagt 420

caaagggtcn aag 433

<210> 10266

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H6

<400> 10266
acgcgtccga agacagtcaa aaaatctctt tttgtcttct caaatttaaa cctcaccttt 60
aatatttctc cttacttttg aagctgtaat aatattcttg aatctattcc tttctttctc 120
tttctcatgt ttaatcgggtg aaggctttac tctgtttctt tcatcatgtt tcaatcaaaa 180
gccttaactt tttcttttagc tctttccatt acaagagacc tctagcttca tactttttat 240
aaaaattctc tctttttctc agtttaatcc tcaaagaaat gggttcaaag attggtatca 300
aatccggtgg gaggttagct tcaanggaga ctcaacaaac gttgggacgg catggaaccg 360
acaaatccca cgaatcatgg cgttgctgg aatcatgtca aacatcgata atgactctaa 420
agacactgat cnggtctcct aaaagatngt atcat 455

<210> 10267
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-H7

<400> 10267
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gagctgttgc taaacgtctt agcttcactg gatctggtga aggtaatggt ggtttttgga 120
atcgtggtat ctccgcttgt gctgtttgcg acggagctgc tccgattttt aggaataagc 180
ctcttggtgt tattggtggt ggtgattcag ctatggagga agcgaatttt ctgactaagt 240
atggatctaa ggtttatatt attcatagga gggatacggt tagggcgctt aagattatgc 300
agcanagagc tttgtctaac cctaagattg aagtgatttg gaactccgcc gtgggttgang 360
ctatggtgat gaaaatggac gtgtccttgg aggattgaaa gggaanaatg ttgtta 416

<210> 10268
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-058-Q1-E1-H9

<400> 10268
aaaatgacag aactcaaag gatagtatt tcattctcac taacactctt gctaagctta 60

gcagttgaag gagcctttaa cataaaccag aaatgggtctg gtggaagtca ttttggttac 120
gagggcgggt tctgttttcc cggctctctgc attggaggat ctggtggttag tagagtccat 180
tatggcaggg accattacgg tgggtggaagt caatatagag gtggtattgg ttacagagag 240
accatgtact gcaaaccgtt gacttggttat ggtgggtcat gtgatgcact ccatttgcac 300
ttagacaaag gggttatatga atctctcata cgcaatacta agacagcgaa acaatcgtcg 360
actgttgatt tcaacatgcc aagagacttg aaacacaatg tcatcaaaca 410

<210> 10269
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-A12
<400> 10269

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gtgcataatg gtgcaaaactt ttatgacagc aaagttgttt ctcttccact ctgcgcaccc 180
cactcccagc gagggctagc gttcatggcc gaaattcatt ttgggtcccc tcaaaagaaa 240
caatttcttc acatggatac gggtagcagc ctcacatgga ctcaatgctt cccttgctcc 300
gactgctatg ccagaagat ttatccaaaa taccgaccag cagcttcaat aacatatcgc 360
gatgcgatgt gtgaagattc ccatccaaag tccaatccgc attntgcatt tgatcctttg 420
ncgaga 426

<210> 10270
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-059-Q1-E1-A5
<400> 10270

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ctcgggaaga gaatgtgtac ttagccaagt tagctgagca agctgaacgt tatgaggaaa 120

tggttgagtt catggagaaa gttgcaaaga ctgttgacac cgatgagctt actgtcgaag 180
 agagaaacct cttgtctggt gcttacaaga acgtcattgg tgctaggaga gcttcctgga 240
 ggatcatatc ttccattgaa cagaaggaag aaagcagagg aaacgatgat catgtttcca 300
 ttatcaagga ctacagagga aagatcgaaa ctgaactcag caaaatctgt gatggaatac 360
 tcaatcttct gggattctca ccttggtccc actgcatctt tggccgaatc caaagtcctt 420
 taactcaaaa tgaa 434

<210> 10271
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-A7

 <400> 10271

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 aaacctgggg atcatcctcc tttctccaaa attatacatt cgtcttcaca gcctaaggag 180
 cgacaaggaa agggaatctt acaaacgcca tttgccagtg tgggatcctt gacaagtttt 240
 cagcttttga gggaattggg gaggtcctaaa ttaccggtga tggcantggt tgttgacaaa 300
 ctcccttcan atggctacac tccttgaaag ctttggtctg ctgagatatg tnaagcctgg 360
 aagagctcca atgttcaagc atgcctaatt tgttgctctg ttgctcccta aatggg 416

<210> 10272
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-B10

 <400> 10272

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 tttgcttctt ccatgcaaaa ctctgttccc gccattacct ttctcatggc tgctcttctc 120
 aggattgaga aagtaagaat aaacagaaga gacggtatct ccaaaatctt aggaacagct 180

ctttgtgtcg ccggagcttc cgtcatacacc ctctataaag gtccaacccat ctacactccg 240
gctagccacc tccacgctca tctactcacc acaaactccg ccgtcttagc gccgctagga 300
aacgccgcgc ctaaaaactg ggacccttgg ttgcatctac ctaatcggtc actgtctctc 360
gtgggtcaggc tggcttgttt tccaaagctc cggttctaaa tectaanc 408

<210> 10273
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-B3
<400> 10273

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnntcttt gtggccctct ttatctcggc cgtgttagtg agctcagtct 180
ccgcggctac aatggagtct ccagcaccat caccaggtgc ttctctgcc tccaccgtag 240
cttttccggt gggttggtcc attgttgctg catcactctc cgcttcttg gctcttctct 300
tgca>tagaa agacaagagt cctcaaaata tgagaaggag atatataaca aaactctttt 360
tttgttctga ttttgttctt tagaatctat ggatgacana taaccattt tgatgtanaa 420
tccccattgg gtaanttatt aactaatat ataatggagt ntntgataat nagtaagcac 480
tattt 485

<210> 10274
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-G10
<400> 10274

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ggaggagggt gtgaaagtct tcacggtggc agatctgaag aaagcgacta atgatttcgg 120
aaaccagatg gaactaggag agagcttggg atacatcaat cccaaaacgt tatctccggc 180

<211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-E10

<400> 10277

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aagactccat tattctcctg cttcttcgtc tcttcaatta ttttctctga gactagcttt 60
gattcaacca tggctaattgc agcatcagga atggcaagtc catgatgact gcaagctgaa 120
atztatggaa ttgaagacga aaaggacaca ccgtttcatc atttacaaga ttgaggagct 180
gcagaaacaa gtgattgttg agaaaatcgg tgaaccgggt caaacccatg aggaccttgc 240
tgcaagtctt ccaagctgat gaatgccgct atgccatttt cgattttgat tttgtcaagt 300
tctgaggggtg tccaaggag caggattttt ttcgtggcat ggtctccgga cacagcaang 360
agtgagaagc aagatgatct atgcgaagct ccaaaggaca aggttcaaga gagaa 415
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<210> 10278
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-E11

<400> 10278

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acgcgtccgc tctctaagac tcatatcatt acgtcatgag ttcaatagca agagaccgaa 60
aggaacaaat ggtgatccat tcttcaatcg tcttgcttca agaaagattc agacaacttc 120
agagagcaag agagttaaga gctgaacgag agctcctaaa ccctaaacct aaccaccaag 180
acaacatctt gcaatattac agcgaacca ctantttcgg tttctttcag tttctaccta 240
taaactctca aacatcttcg tcacagcagc tcctatccct ctctttatgc tcacactcca 300
cctctgaatc cattgaaaag ccaagctttt gtcatcagtg gccaaataaa gatgacaaaag 360
aagatgggtg ggattgatcg atacgacgat gttgacacgt ctctgcatct c 411
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<210> 10279
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-E2

<400> 10279

tccanaattc aaaggtcgac ccncccgctc ggggtgcatnc actaataatc agatatgggt 60
gactccatat aaccggtcag aacaatatgc cggaggagtt ctaatttacc agagccaagg 120
tgatgacaca ctacaagttt ggtcagaccg ggaccgttcg atcgaaaaca aggacatagt 180
actgtggtac acactagggg tccatcacgt accttgtcaa gaagattatc cagttatgcc 240
aaccgttgcg gctagctttg aacttaaacc agcaaatttc tttgaatcca atccgattct 300
tggtgtctgt cctttcttcg aaaaagactt acccggtctg tacaccattt gttcatcct 360
gaccggttct gttccgacta atactccaat agtatacaag ttgagaaaga ttaaantatc 420
cgggtgttac caaacacctg gttggaagnt natttgcccg gttttggcaa na 472

<210> 10280

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E3

<400> 10280

gtaggcgtcc anaattccan ggtcgacca cgcgtccgcc cagcgtccg cggaacgctg 60
ggaaatTTTT ctccatatta caaaagaact aaagaagatg gatcagtcac catcaacgtt 120
gtcataaac cagagaaagt catcatcgtc tccgactagg atcccaccta agcagaagag 180
gaagtcaacg actacgcaca aacccatcaa agtccgttac atatcaaadc cgatgagagt 240
cgagacttgt ctttctaagt tcagagagct tgttcangaa ctcaccgggc aagacgncgc 300
tgatctaacc accgtcgccc aacaactttt aacggccgta nttntccaac ggttccggtt 360
tgagtccgga naatgaacnt agaagccgnt tgggatgggn aaaggtccgt tggagaagta 420
ttattcaccg ttggatggag gaaantgttt naatggcncc tcaanatgtc ggcaaggtct 480
ttccggtttt ttcnc 495

<210> 10281

<211> 431

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-E6
 <400> 10281

cggttgaaca atctatcttg gtggcaagga gcatcgtgtt aaaactgcta gtggtgttgt 60
 gtctgtcatt gtctatggag acagagaaaa gccagcattg attacttata ctgatttagc 120
 cctaaacat atgtcatgct tccaagggtt attcttctgt cctgaagcag cttcattgct 180
 gcttcataac ttctgcattt accatatcag tccacctggg catgagttag gagctgctcc 240
 aatttgtcct aatgattcag tcccttctgc tgaaaacttg gcagatcaga tccttgaagt 300
 tctcaacttt ttcggccttg gtgttgtgat gtgtatggga gtgactgcag gtgcttatat 360
 cctcacctta ttcgcgatga aacatagaga acgggttcct ggtttgatcc ntgtctcaac 420
 gttaagcaaa g 431

<210> 10282
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-E7
 <400> 10282

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 accactcggg ggtcaattct tgggtgtcaa cgaaacttcc ttcgccggaa acacttacct 120
 ctgtctccct caccgtgtct cttgtccaac acggccagga caaacctccg atcacaaatca 180
 cacggcggtt ttctcaccgt caaggatcgt aatcacgggt atcgcagcga tcaccgggtt 240
 gatcctaata agtgaacga ttcgtcaaga tgaataaaga agaaagaaac aagaaatctc 300
 cccgcctggg aaaactaaac ggccttcaag aaaactaaga attcaaatac gaaagaacgt 360
 tcctccnaat tgtcttaaag aagaggaaca taatccggta aanggcggan ctggaattgt 420
 cnancgtggg nttaatgcc aacaacgtaa acgtcgcgat taaa 464

<210> 10283
 <211> 425
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E8

<400> 10283

acgcgtccgg ttgggacaaa ggacaagagt tggagagcat gaagctatga ggaagattaa 60

gaatgagttt atgacacatt gggatgggct aatgacgaaa cccggtgaaa ggattctcgt 120

tcttgacgcg acaaacagac cgtttgatct tgatgaagct atcattagga ggtttgagag 180

aagaataatg gtgggacttc cttcgattga gagcagagag aagatcttga gaactttggt 240

gtcgaaagag aaaacagaga atcttgattt ccatgagctt gggcagataa cagaaggcta 300

cagtggaagt gatctcaaga acttatgcat cacagctgct tatagaccag ttagagagct 360

gattcagcaa gaaaagattg aaaagtnagg agaaggaaga aagagaagaa agaagcaagg 420

aaaaan 425

<210> 10284

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E9

<400> 10284

tgaagctctt tgttcatctc tctatcttct tctccatcct ctccatcact ctcccatctt 60

cttacagctg caccgaaaat gacaagaatg cctccttca aatcaagaaa gcacttggca 120

atcctccctt tctatcctcc tggaaccccc gaaccgactg ttgtaccggc tggaccggcg 180

tcgaatgcac taaccgtcgc gttaccggtc tcagcggtac ctccggcgaa gtctccggtc 240

aagatctcgt accagatcgg cgacctcggt gacctccgta cactagattt cagctacctg 300

ccacacctca ccggaacat cncacgcagc atcacnaaac tcaagaacct caatactctc 360

tacttgaagc anactaagtc tctccggtnc gattcctgat tacatcaagn gag 413

<210> 10285

<211> 454

<212> DNA

<213> Arabidopsis thaliana

1. *Chlorophyll a* (Chl *a*) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-D8

<400> 10289

gactctaaag acactgatct gtctcctaaa gatcgtatca tcattgtagc caatgaatta 60

cctatacgag ctcagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn aaggttgga cttttcttgg gatgagaatt cacttcttct ccaattgaaa 180

gatggggttag gagatgaagc tattgaagtt atctatgttg gttgtttgaa agaagagatt 240

cctcttaatg agcaagaaga agtgtatcag attcttcttg agagtttcaa gtgtgtgcct 300

acgtttttgc ctttgatttt gtacactaga tactaccatg gattctgtaa gcaacagctt 360

tggcctttgt ttcattacat gttgccactt tctcctgac ntggnagtaa ggttgataag 420

gactttgtgg ca 432

<210> 10290

<211> 489

<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-F8

<400> 10290

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atctcaaaac caaagctctc gtgctcttgt cgttgatgtt ggttgtgtag actttgtata 120

caatgatgaa aagtttggcg aatgctgttg gagcgaagac ggcgagggct tgcgacagct 180

gcgtgaagag acgtgcacgg tggactgctg cgcccgacga tgcttttctt tgccagtctt 240

gcgacagttt ggtccattca gcaaaccctc ttgctcgccg ccacgagaga gtccgtttga 300

agacggctag cccggcggtc gtaaagcata gcaaccactc atcagtttct cctccacatg 360

aggctgccac gtggcatcac gggtttactc gtaaagctcg aacgccacgt ggctctggta 420

agaaaaacaa ttcgtcgata tttcatgact tggttcctga tattaagtaa tgaggatnag 480

acagacaac 489

<210> 10291

<211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-G1

<400> 10291

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 gagttcgtgg tcctttctaca gagccggaat cgccgagttc atagccacct tctgtttct 120
 atacataaca gtattgacag tgatgggagt gaagagagca ccaaaccatgt gtgcctctgt 180
 tggaatccaa ggcattgctt gggctttcgg tggcatgac tttgcccttg tctactgtac 240
 tgctggaatc tctggtgggc acataaaccc agcggtgaca tttggtctgt tcttggctcg 300
 taagctgtca ttgacgaaag ctgtcnttta catcgtgatg caatgtctcg gagncatctg 360
 cggcgccgga gttgtcaaaa gcttccagcc aaatccctta acaaactctc cggcgaggga 420
 gccaacacaa tcgctcacgg ggacactaaa ggctcngggg ttgggtgccg naaaaaatcc 480
 ggaaccttcg ncctt 495

<210> 10292
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-B7

<400> 10292

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 gcancancaa ctccatctcc ggagctctag attcagatan gaacaatggc gattccgatg 120
 cctactcgcc agctattcat cgacggcgaa tggagagaac ccatcttgaa gaagcgaatc 180
 ccgatcgta atccagctac tgaagaggtc attggtgata ttctgcagc tacaacggag 240
 gacgtggatg ttgctgtcaa cgctgctcga agagcattat caaggaataa agggaaatat 300
 tgggccaag gcacctggag ctgttcgtgc taagtattta cgtgctattg ctgctaaggt 360
 aaatganaga aagacggatc tggcaaagct cnangcgtt gattgtggta aaccattgga 420
 tgaagcagta tgggatatgg atgatgttgc tggatgtttt gaattttatg ctgaccttgc 480

<210> 10293
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-C12

 <400> 10293

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agcttttctca gattgattct tttactctgt ctcgctctctt cttecttctc ctccaccact  120
tcttctctcca actccactgc cgccgatcaa actctccggc cgcaagaaga gctccagaag  180
ctaactactga ttagacaaga actcgacaaa atcaacaagc cggctgtgaa aactattcag  240
agctcagatg gagataaaat agattgtggt tcaactcatc agcaaccaag ctttcgatca  300
tcctctctta caaggacaaa aaccattgga tccgcctgag ataccaaaag gatacagcga  360
agatgatgga tcatatgaaa actcccagct ttgggagttt atccgggtga gtcttgccn  420
ggaangtacg attccggatt aggaggacaa ccg                                     453
  
```

<210> 10294
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-C2

 <400> 10294

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aactgttacg cctgccctta ccgggccaaa attcccggga cgacccacgc gtccgagaat   60
aaagtgacga ggaagaagat gagtangaag aacgataccg ccaccgtatc tgctcgtatc  120
gccgccatta tcgccgcaa gaaacgtcgc aagtctggca aacgcagcat gtgtcaggga  180
atgtgtttta ctcttctac acttgaagat ccattcaatg aaaggcaagg taaagctgat  240
attactnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccatct  300
cctatgtcta ttgaaggtgt tgagaagatg gatgggccac caaagtttct gatgttaaac  360
ttgaatgaga ttgagagctc atttcgtaaa ngatattaca tacagtgaac aacatgataa  420
  
```

gtctttgttt actaagtagt tgggggattg agttctggaa atgttactcc tcnggg 476

<210> 10295
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C4

<400> 10295

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aagctgncan gagaggaaca agaagttcat ggaaaagaaa ctcaacanac tcaagagaga 120
gatggagtgt tttggtccgc aagctgttgt cagctaatac cgcgagtatg gagaagataa 180
ggaagacgat tatctatggt ggttggnecat tttattacta aaaagctcag ttcgagcagg 240
cacttatgca agagatgctg actgtttgtt tttaaccgaa aagagcttat tgatgttatc 300
agtgtgtttt aaagtgtatg gggctatggt agattctggt tttccgggag catgaaatcg 360
cagcatccga caaagaaaag gtgagtaatt tggtagcact aagttcctac acacggaatc 420
atccaatctt ctgaagcaga gtattgtggt atttgttcaa atcccagttt tcaactgggcc 480
atcc 484

<210> 10296
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C6

<400> 10296

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cattaggggt tatctgagct ccaaaatcac cctaattcta gtgtatttct cagcaagcaa 120
gcttcttctt tttttgtcct gggtaactgt gattgttgca ggatcttgtg tagaaacaga 180
tcacaagaag atgaatgata actcgggtgt gcggttttga ttatcttcag agatttnaga 240
ttctgtatcc actctgttgc gatgggggtcg tttgcaggcg cttgtgagat tgtggaagag 300
aaggatgatg aagtaagatt gccaaaacat tccgggagat atggtaaadc gggttatggga 360

tactaagcct gccttacttc aaaacnttag agggaaattc ct

462

<210> 10299
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D4

<400> 10299

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ttgttaagac attgggactg gagcctggtc agtctgtgga tttaggaact atacacgctg 180
gtgatttcat gagaagggtc tgctccaacc ttgcaatgtc taaccatgcg gtgaaagctg 240
ctcaggaagc tgtgcaaaaa tctgaggaat ttgatataag gaggagtcct atatcaatag 300
cagcagtagt catctatata ataaccagc tgtctgatga caagaagact ctcaaagata 360
tatcgcatgc gacaggagta gcagaaggga caataaggaa ttcatacaaa gacttgtatc 420
cacatctgtc aaagatagca ccaagttggt atgcaaaang gaagaagatt tgaaaaaacc 480
tgten 485

<210> 10300
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D6

<400> 10300

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ctctagaaga aaagaaaggc caggaagtgg accttatggt gtgattgata acagaaacaa 180
ggaaatttct aagtctcagg atgaccagag tgatgaaggg gatagcgatc cagatgaggt 240
gcaggaacct ggaaatagcg attctccaaa ggaaaacgat actaccaaaa gcgaagcgga 300
ttctgagcca gatagtaaag caccatctgc taatgggcac ttanagaaag catctgaagg 360

aggttctggg gctcgagctt gttcgacctt gtttatagcc aatctaaggc ctaaantgta 420

<210> 10301

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-E6

<400> 10301

agccttacgc cgcccagtag cggtccaaaa ttcccgggtc gaccacgcg tccnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctccgatcca 120

cgtggtgtgg tcatgggtta ggagacaacc tccgaagggt aaggcttttc tcgccgtggg 180

cactggcatg gcggcttttg ttcttctcag attcattggt cacgatcacg acaatctctt 240

cgttgccgct gaggtgttgc attccatcgg gatctgtgtg ctcatctaca aactcatgaa 300

ggagaagacc tgtgccggat tgtcactgaa atctcaggag cttacggcga tatttttagc 360

tgtaggctg tattgtagca ttgtaatgga atatgatata cataccattc ttgacttggc 420

tactttggga acaactctct ggggttaaatt ttaatgattc cgtttcaagt ttaaaanct 479

<210> 10302

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-E8

<400> 10302

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ctcggtttta gcaaaccctt tagttatctt ctctctcaag caatttttct tttggattag 120

attggtgttt tcttttggtt tgtgtggtga tgatgagaag gcaacgagat gaacaacaat 180

ctagggtttt ctacgatcta tcatctcttg ttttgaatct tctccgttct cctcctatgc 240

cgatttcttt acctgatcat ttccccgata cgcccgttag aattcgctct cctttttctt 300

cgcacggttt ttcgtcttct tcgccttctt tggctcanat ttctccgtct ggattcgcgt 360

cgttgctggc ntggtataac cngtgggtcc taat 394

[illegible]

aactgttacg	cctgccctta	cggggncaa	aattcccggg	acgaccacg	cgccgccca	60
cgcgccggg	catgagaaca	catggagcta	aacaacaacg	cactgttatg	aaacgaactc	120
caaaggagca	actggagcca	gtatatgagg	ctttagatac	tctaggaaac	actaaatgga	180
agataaaca	aaagggtgta	agtttggtgg	acagaatctg	ggctaattga	ggtcgcattg	240
gtggtctgg	tgaccgtgaa	gatgtacca	ttccagaaga	gccggaaagg	gaagaccaag	300
aaaaatttaa	aaattggaga	tgggaatcca	aaaaagcaat	taagcaaaat	aatgagagac	360
attcaciaag	gtgtgatata	gagctcaaac	tcgaggtggc	acgtaaaatg	aaggatgagg	420
aaggtttcta	ctaccctcac	aacgtttgan	tttccngggg	gcgancaatt	tcccctancn	480
tccanatect	taaccaatct	cgg				503

<400>	10306
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5065

<210> 10309
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-053-Q1-E2-G8

 <400> 10309

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 ctagaatttg gattctgttt cagacaaaag tagatttccc tgtctctttc ccgtttgatt 180
 ttcaataaga tgaatccgga ggagcaaaaag atggaatctg catcggatct gggcaagctc 240
 ttcattggcg ggatttcatg ggacacagat gaagaacgac tgcaagagta ttttggcaag 300
 gtatggagat ttggttgaag ctgtgatcat gagagaccgt actagcggac gtgcccgttg 360
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<210> 10310
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-G9

 <400> 10310

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 tggagacgca actaggccaa gcaagaaagc gagaactccg aagttgtatg aagtgaaga 180
 tgagcggcat gccgcagctt atcacaaccg cacttctactg gctaaagaag atagtcttcc 240
 tatgggcgag cgtgtcaagg ctatagagaa ccggcgtggg caactttgga ggcgcgaaag 300
 atatcanatt cggtcctgga ggatcacggg agttttcttt caaggcnag agggatcatca 360
 aagnacactg aggataggag acgatngag 389

<210> 10311
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-H1

<400> 10311

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 cctttcttct ctatgctcca ttgttcttat cttcaccagt tcctgaccct gaatctgtcg 180
 ttgaagaagt tcacaagagc attaatgcgt cngttgcagg aagaaggaag ttaggttacc 240
 tctcatgtan gaccggtaac ccaatcgacg actgttggcg ttgtgaanct canngggaag 300
 caacaccgtc ancgtcncgc tgactgcgcc attgggnttc gcgcnaaaac gccatncgtg 360
 gncgttacag tcggatctac gntggtcacc cgnntaagaa acganaaccc agtt 414

<210> 10312
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-H8

<400> 10312

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 cagaancagg gagccaggct aatagaaaga cgccgccgac gaacaaaaaa acgacgccgc 180
 cggcgaatag gaaggctccg gctattgaga gtaaattggc ttgcacattg gaggagctct 240
 acaaagggtgc aaagaagaag atgcgaattt ctgcggttgt tcctgatgat tttggaaang 300
 ccaangacag tccaagagat attgaagata gacataaaac caggttggga agaaaggcac 360
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<210> 10313
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A10

<400> 10313

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tttttctctc tggcgtgaag gaanaagctt tatttcatgg agtctctgct ctcnangttc 180
ttctcttggt tccgctgctg gtgggttttg ttggaagaan cagaatctaa agtccactc 240
tttatcagaa atccgagttc tgcgttggtga ttcgagtaaa gttgtcncaa aaccgaagtt 300
taggaacaat cttgttaagc ctgatgggtca aggatcttca ttgttggtgt atccaaaaca 360
taagtcnaaa tttcngggtt aatgccactg cgggtcagcc ctgaggcttt cgactcgaat 420
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<210> 10314
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-A12

<400> 10314

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cgacggcact ttcgtccacc atcttgtcac taatgagatc actcccgccg aactgctgt 180
ctctgaactc ctcgagggtc ccgtcaagct cttcaccacc agatgtgtga ttgcggagtt 240
ggagaaaactg ggtaaagatt ttgcggaatc tctcgaagct gccagacgc ttaatacagc 300
aacatgtgag cagcaggagg caaaaacagc agacgagtgt ttgtcagagg taatanggggt 360
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<210> 10315
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-A5

<400> 10315

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gatttntnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180

nnnnnnnnnn nnnntttttcc gatctaggta atccggattc cgatccgtta ccgacgccgg 240

agattgatga gaaagacgtt gtgggttatca aggagcgtaa cttcactgat gtgattgaga 300

ataatcaata cgttttgggtt ganttttatg ctccgtgggtg tggtcattgt caagtctctt 360

gctcctgagt atgctgctgc tgccacggag cttaaggaan atgggtgttg tttggctaag 420

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ccttcctttc ctcg 494

<210> 10316

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A8

<400> 10316

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tatcgccgac gacgacgacg acgagtcagg actcaatctt cttccagccg ttgttgaccc 180

tcgtgtttca cgagggtttg agtttgacca tcttaatcct tatggctttc tcagcgagtc 240

agagcctccg gttctcggtc cgacgacggg ggatccattc cggaacaata cacctgnagt 300

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<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-B11

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 tgatcattac atattttggga agtgggtgctc aacgactcaa aaatgacatc gactcttata 180
 ccactatcat tgctgattct gccgccagtt tcgttttgca attgtatgga tatggagcaa 240
 gaggtatagg agtgcacgga acaccaccac ttggatgtgt accatcacia agactaaaga 300
 aaaagaaaat atgcaatgaa gagctaaact atgcttctca gcttttcaat tctaagctcc 360
 tccttatttt ggggtcaattg tcaanaaacc cctaccaa atctacattcg tntatatggg 420
 a 421

<210> 10318
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-B12

<400> 10318
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 ttacctccgg agagaccttt tctccgaggc cctccattgt tacaacctcc accaccatct 180
 ttgttagaag atcttcanat acaggagggt gaaatcagaa ggcaggatgc tgaaatcaga 240
 aggtttttga gtgataatca tggactagct gacgaccgaa tggttctgga gagagaactc 300
 gttgctgcta aagaagagct tcaccgaatg aatctgatga tttctgatct tcgtgctgag 360
 caagatctgc aattgaggga gtttaatgag aaaaaggcat aaacntg 407

<210> 10319
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-F3

<400> 10319

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atcaactatg gaaaattagg caacaatctt ccttttctt accaatcaat caacctcatc 120
aaaaccatta aagcaggcca cgtcaagctc tatgacgccg atccagaaac cctaaagctc 180
ctctctacga ccaatcttta cgtcaccatc atgggtcccta acaaccagat catctcaata 240
gggtgtgatc aagccgtgc ngataactgg gtcgccacta atgtccttcc ttttcacccc 300
gcaaaccna atccgattcg tctcgttgg caacgaggtc ctcagctaca agttctgatc 360
aaagacaagc aaatatgggg ctaatcttgt cncgtcnatg cgtaanagta ntgaactccc 420
ttagag 426

<210> 10320
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-B3
<400> 10320

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gcactgagac atcaaactg gtttcttctt tctttcactc ttaaaaaaaaa ccaatttagc 180
cctaaaaacc tctttttagt ttaattccaa aagttctca aatctcttct attctctctc 240
tctctccatt aagacccttc acaagcaaaa agctttgagc tttaaatgag ttttaagggtcc 300
tgcaaaaact gggtttttcc tcgttgact tggtcanctt atctcctctg cataaacttc 360
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ttaatttatt aatctcca 438

<210> 10321
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-C5
<400> 10321

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atttgtctct tctgggtttc atgaacatag aggttatgct gataaatatg agttcttggg 120
atcaaaacca ctttgctctc aagatggctt ctttgattac ctcaactttg tttctgttct 180
ggtgtctggc ttccatctga atgtggcatt cctatgatca gatctcttaa aatgggaatc 240
ggcaaaacgg aaatcaattt catgangatt actttcagct gcacctaadc agcaaaacca 300
agtctaagct tatgcattat gttgctactt tgagggaaca gttggaacaa ctctcggaag 360
agaagaccct tgaagggctt cccagaagtt acaaacgcta aggtgaatga ntact 415

<210> 10322
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-C6
<400> 10322

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tccgttggtc ttgagacaga aactatcatc tctgttttga ataagctatc taagaccaag 120
ctacccgggg agatcattga tttcatccat gcttctactg ctaattatgg gaaagtgaag 180
ttggtattga agaaaaatcg gtattttatt gaatcacat tcccggaggt gttgaaaagg 240
cttctcagtg atgatgtcat aaatcganca agatttactt ctgagccata ttatgggtgt 300
gatggattta cgatcggcaa aacaagtggg gaacttgang caggacctgg ggagttgttg 360
aatgaagcag aattggcann cagcagcaga agagaaagaa actcactcat ttg 414

<210> 10323
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-053-Q1-E2-C8
<400> 10323

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ctactgtcag caataggttg atgggttctg cagccagaca gcctctcttc tcatttggtg 120
ttattgctga tgttcagtat gctgatattt ctgatggccg ctctttttta ggtgttccta 180

ggtattacag aaacagcatc cttgtccttc aaagagctgt tgaaacttgg aaccaacatg 240
 gtaacctcaa atttggttatt aacatgggtg acattgttga tggcttttgt cccaaagatc 300
 aatccttggc tgccactaag aaactagtcc atgaattcga gaaattcaac ggtcctgtgt 360
 atcatatgat tggtaatcac tgctctaca atctcccccg cgaagagttg c 411

<210> 10324
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D1

 <400> 10324

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 cgacgtacct cgccggtgga taatgcctga ccgtaatctc tctttcaagg atttcaaata 180
 tcttcttcat cgccgtaaaa aagcccttcc tegtctcccc cttaacccta atttgaacct 240
 tagcgtcaag actgagttgg ttactgatca ggagaatcca attcttccat ctgaagcgaa 300
 cggttcttct gggaangcag aagctatttg aggtaaagag agaggagatt tgtgggaatc 360
 gnggttaagg gagatgagaa caacgacaag aggttttgaa ggagctcgat cagacggtgg 420
 gngatcgtcc cggggaagag tgacgggatc aaagggaaac cgaatgatgt gccacacaag 480
 tatgc 485

<210> 10325
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D12

 <400> 10325

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 agttcgtggc aaggggttta gtgaggacaa agganagtaa ggagaagatc aatggagagg 120
 atgaagtatt cattggagat attagagata ctgcatcaat tgctcctgct gttgaangga 180

ttgatgcttt ggtcattctt actagcgctg ttccgcaaga tgaagcccgg ttttgatcct 240
 agtanaggag gaagacctga gttcttcttt gatgatgggn gcttatccag gaacagggtg 300
 actggattgg tcatgaagaa tcagatatac gctgntaagg gtgc 344

<210> 10326
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D5
 <400> 10326

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 catcttttct cagtcttggc tctcaacttc taaaaggatc ctaaacaatc cctctgtttt 120
 ctcatcgtct ttgaattttt cgagtggnaa tgcaganaga cttataanat cattcaatct 180
 aatgcctaag tatgacgtta atgtcatccc aaaaggaagc cttgatgctc caacgactca 240
 ttganagaca nattgatttt ctggcgacag ccggttccaa aaacgcttcc gttggtcctt 300
 ctgttcaaga gtttggccac tacgctggtt attacagcct tcctcattca naatcaagcc 360
 aagatgttcn atttcgtttt tgaatcacgg aacnanacaa ccgattcggg tgtga 415

<210> 10327
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D8
 <400> 10327

aaacagaggt ggcagatggt cttgtcttag agaagacctc atcaccatta ggcgtacttc 60
 tgattgtttt tgaatcccga cctgatgcac ttgtacagat agcttcactt gccatccgta 120
 gtggaaatgg tcttctgctg aagggtggaa aggaggcccg gcgatcaa at gctatcttac 180
 acaaggatgat cactgatgca attccagaga ctgttggggg taaactcatt ggacttgtga 240
 cttcaagaga agagattcct gatttgctta ngcttgatga cgttatcgat cttgtgatcc 300
 caanaggaag caacaagctt gttacncaga tancnaggat actacanaaa tccctggtgc 360

tangtcatgc tgatggaatc tgtcatgtan atgtcgacaa gggcttttga gtaccgn 417

<210> 10328
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-053-Q1-E2-D9
 <400> 10328

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 taaagttcgc gttgctcttc ctaagaagaa ccctaataatc tttaaaccag ctttcaactt 120
 ccctcccaag ctccgcgctc tcatgggaga cgatgtccct gaatgggacg atcaagctag 180
 cgttatccag aactacaaat cctttggcgt catctctaac cctaatttgc ttggtatccg 240
 agctcgtacc gaccatatga ttcaggatga ttccctcaac gttcctccac ctgtagagcc 300
 accgactgat gatcctattg ctaaggagtt ccgagcccat tgattctggg aagcgaaactt 360
 gaggaagacg atcttaagac agcattgggg aagcaaagaa aagatggaaa gagtg 415

<210> 10329
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E1
 <400> 10329

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 ctcaactcctt atcttaacga gaagcttaaa cgcacggtgg aagttgttcc ggccaaaaag 120
 gatgacggag caccagtggc agctgcagcg gcggctccag ctggcggtga gaagaangac 180
 aaagttgctg gtgaaaagaa agagattaaa gatgttgagg aaaagaaagt cgacggtggg 240
 ggtgagaaga anaaagaagt tgcngttggc ggcgggtggg gaggangtgg aggtggagga 300
 gacggtggtg ctatggatgt gaagaaatcg gagtataacg gttacgggta tcctccacag 360
 ccgatgtatt actaccaga aggacaagnt tacgggtcaac aacattacat gatgcaaagg 420
 tcaatcatcg gcaatcngtn tgtacaagga accgtattcn aaccaaggga tacctncaac 480

<210> 10330
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E11

 <400> 10330

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tcgctctgca attggatcct gcncaatctc tattaactct ttcgggtatc acttccttac   180
tcgaatcgtc gcancgtata tcgttttcgg cttgctcgat tacnctagat gggaaaacttt   240
tgaatggctc nacacggatc caagtancga agcttccttc tgtnnccatg ctcaagtcct   300
ttccctcgcc tccgtgngag gtggangaga tgggtggggca nncgggaagc gangtctcgc   360
gnttgntatc ncantagga gngcgggggn aagaaagctt gacaaggttg attcctanat   420
gga                                                                 423
  
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<210> 10331
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E2

 <400> 10331

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atatttggtg gactattttg atataactat tattgcagat ctgtggntct taacacntct   180
ctaatacnta taatgacnan gatctangca tgagaaggaa nagataagaa gctcatgaca   240
agaatctgaa gaaaattaaa tttgtttttc acttatcncc gccantgttg ttctacactg   300
agcttagaca gttgacaccg tgtnanccaa aattcaaaag tttancantg gaaacatact   360
cacgcttttt acctanttat catagctctg atanaagtat gagagtaggc gtttacaang   420
  
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<210> 10332
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E3

 <400> 10332

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 aagagggtga agttgtagag aacagttgtg atgatctang ggtccttatt atgcancttc 180
 nggttganaa tatcaaccgg cctgccccaa gtatcacaca tttgcntctg aagtttgatc 240
 ttgatgcccc tgtggaaacg gacagttttg cagccgaagt ttcactacag ttgtcgngna 300
 ggtcattctt gaaatgctgg agaagcttcc aaaccctgat ataaaacttct tactctttga 360
 ntttggtctc cagcttttgt gtgagttgaa cttggatgca ctaactagtg n 411

<210> 10333
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E6

 <400> 10333

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 gatttcatcc naggatggca tttggctcca acaacttatg gagattatcc acaatcgatg 180
 aangatngtg tcggtcatan attgccaaaa ttcacagaan ctgagaagaa nttgctaaag 240
 ggttctacag attacgtagg aatganttac tanacttcag tgtttgcaan angaaattaa 300
 ncctgatcct aagagtccga nttggacgac tgattctctt gttgattggg atagcaagga 360
 gtgtggatgg gatacang 378

<210> 10334

<211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E8

 <400> 10334

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 nnnnnnnnnn ttaagattgt gattaagtgg ttcactatat ttaagttact ttgaggagct 120
 actaatcatg ggatcatcact catgctgcan ccagcaaaag gtgaagagag ggcttttggtc 180
 accggaagaa gatnagaagc ttattanata tatcacantc catggctatg gatgttggag 240
 tgaagtccct gaaaaagcag ggcttcaaag atgtggaaaa anttgtacat tgcatggat 300
 aaactatctt cgacctgata tcagnagagg aaggttctct ccataagaag agaaattgat 360
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<210> 10335
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-C11

 <400> 10335

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 tggatgcgaa acggagatta ctctccgtct aggttacagg cgcaaacgga agctgttaat 180
 cttcttttgcg gagccaaaac ccagtcgaat ccggagaana cggtggggat tttgacaatg 240
 gctgngcaaa ggagttagag tattgactac ncctantctt gatctnggca aaattctggc 300
 ctgtaggcac gggcttgatg tgggaggaga agatcanctt aanngcagct atccagatcg 360
 ncccaactag tctcttaagc atcgccaang ac 392

<210> 10336
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-F10

<400> 10336

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aggttttcta ttgaatetta cancgaccg tegtctgttt atctctcctt ctttaccgag 180
aaggctcaag ttggaacttc cctgatagat cttggaagt atggagggtcc ggccgtgttt 240
cataatTTTg cagacaacaa cttcactggt actctcaagt ctataccact tgcacaggag 300
cggttgggaa agcgagtctc ttacatattt tcnctggag ggaatcagtt gtacgggcaa 360
tttccgggaa atctgtttg 379

<210> 10337
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B12

<400> 10337

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aatccggagg ccgatgatgc tacggagatc gctgggaata tcgtctacca cgccaagtac 180
agttccacatt tctctccatt gaagttcggg cctgancaag ctctctacgc tacngcanag 240
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ttgatcnaaa acaaacttat tacttgtcaa tggagtatct caagggtcgt gctttgaccc 360
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<210> 10338
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B5

<400> 10338

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 aagttgcttg cttggggtgc tgatcgctct caacgagacg cttctgggag aataccttat 180
 gtggttgcca tgaagcataa gcatggagca tgtggagcct tacttaatcc gtccctctgca 240
 gagccacttg tttggccatc accattaaag ttcacagtg agcttaatga cgaggcgaaa 300
 cttctcttag agcaggcttt aatgggaggg taacagggag agagagaaaa ccatacctcaa 360
 aggaacagct tattccttac catcaccttc tttctctgac acggatgata acatgtccga 420
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<210> 10339
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-052-Q1-E2-B9
 <400> 10339

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 agatgctgtg ttgcagatgc tatgagttag gtgcgggcaa ctgctagaat gtgctacaga 180
 atgtttgcaa aaacttggcc ggatcgcttct cgccggttgt tttcgctcct tgaccctgtc 240
 attcaaaggc taataaatga agaagatggt ggaattcata ggagacacgc ctcaccatct 300
 gtccgtgaga gacattccca gccttcattt tctcagacgt ctgctccttc taacctacct 360
 ggctatggaa catcagctat aagtcgctat ggatagaagt tcaaatttat catccgggag 420

<210> 10340
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E2-C1
 <400> 10340

<400> 10342

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gcatgttctc ctccactccg ccgcactcgt cgtgccgggtt ttcgaacaag ctgctcgatc 120

ttcgcgaaatc cagcacagcg agccaagagg aagctgcttg agctgatctc cgaggaggat 180

cgaggtctga gaaccagaa agacccaag aagcgagatg aaatcgtgaa cgccatcgaa 240

tccatgacgg ttatcngggc gcatctccat caccacagac gactctctat ctgccacgtn 300

gcggctcttg tggacgaccg agaangaaca gttgttcac ataggaaaaa ggnaggcttg 360

tttgggacga ccgccggaga cntttttgca ngttatngat gtgaataana cggattctcn 420

ataacgtcgt cnactttcnc gccngacggg gttttcttcg gtacgctccg aatatcnaat 480

at 482

<210> 10343

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-C9

<400> 10343

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acaacctgcc tcgtccaaac ctccagaagac gatgtaaggt caccgcttca cgggctaata 180

ttgaacaaga aggtaacaca gtgaaagaac ccattcagaa tattaagta aaggataca 240

taacggccca agaagagttt ctggagggca taacttggtc gagagggtctc gatgacattg 300

ctgatatccg cggcagatca ttgctcgctc agcttattag cgccaagact gaccagcgga 360

ttacggtaga agactacgca caacgtgtat gggccgaagc ccctgatgag aagtacga 418

<210> 10344

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-D6

<400> 10344

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

natgaaatth ggactcaact cgcttgcagt tagagtagaa ggatttgatt gcttgaaccg 180

tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tannaacaag 240

tgtacataga gattccggaa tcgttcgttc gncaatgcct aacagaggag gatttgatta 300

ctactgctgc aagctattac tactaccatt tttgaaagta nngaatatgt ttttgttttt 360

catcttcncc taaggagaga gagagaggga agaggaacgg aggaagatga aagatcagtt 420

accgtngccg gtcacggttt aactgtttta ttcacggtta nggtgtttg 468

<210> 10345

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E11

<400> 10345

cgacatcaac gtctgacttc gtttctcttc tcacatggct ctacctaac aacaaaccgt 60

agattatcct agcttcaagc tcgtcatcgt tggatgatga ggcacaggga aaacgacctt 120

tgtgaagaga catcttactg gggagtttga gaagaagtat gaacctacta ttggtgtgga 180

ggttcatcct ttggatttct tcacaaactg cggaagatc cgtttttact gctgggatac 240

tgctggacaa gagaaatttg gtggccntan ggatggatac tacatccatg gtcaatgttg 300

cgataataaa tgtttggcnt cacagcaang gncagatac annaatgttc cggacatggg 360

cgatcctnga tctttgccgg ggtgttgtga aana 394

<210> 10346

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E12

<400> 10346

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taacccaatt ctgtggtgctc tgaagaaagc agaatcaaat ccatgtcntt cangaggact 120
tagcaggcca aatgcaatat ctggaatggg tgttgcatg gagagcaaaa ccacatttct 180
agagcttcaa aggaaaaaaaa ctcacgcta tgtggtcntc aagattgatg aatccanana 240
agaanttgtt gttgagaaaa ctggaaancc tacagagaag ctacgatgat ttcttagctt 300
cacttctga taatgactgc aganacgng tttangacgt tgatttcgtn acntctgaan 360
aagtggcana agagcnnaat ccnctcntt gcctggntcn ccttcgacct cngggaaatc 420

<210> 10347
<211> 512
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E3
<400> 10347

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aattgattgt tgctgggtgc aagtgttat gctagattgt atgactatgc ccgcatcaga 120
aaggtctgta acaagcaaaa agctgtaatg ctaagcagat atggcacaca tcaagtgggtt 180
tggttgctgc naatgtaatc ccttcaccgt tcgactatgc tgatgttgta accaccacaa 240
ctcacaagtc acttcgtgga ccccgaggag ccatnatttt cntcacaag ggtgttaagg 300
aaattaacna agcaaggga anangttttg taccattttg aagatcnga tccanccaaa 360
ctgtcntccc tggcttcaa nggtgtccac acaaccncac tatcacanga ctactgttg 420
cnttnaaaca nggcaactac ttcangagtt caaaagcata ccncngaaca agntcctgng 480
taacantngc aaagttttgc tcagactccn aa 512

<210> 10348
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E6
<400> 10348

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gaccggttta atgcccataa aagctaaaga aggtggtagg ggaaccacgg acgcgtattg 120
tgtggcaaag tatgggcaga aatggatcag aactcggaca attattgaca gctttacccc 180
aagatggaac gagcaatata cttgggaggt ttttgatccg tgtactgtag ttacagttgg 240
tgtgttcgat aactgccatc tacacgggtg tgacaaaaac aacggaggag gaaaagattc 300
aagaattgga aaggtgagga taaggctctc tactctcgag gctgatcgag tctacacaca 360
ttcatatcct cttttggtgc tacatcctan tggagtcaag aacatnggan aagattcact 420
tagcngtnag gttacttgct ccttcattgc ctcaacatga tgttatatn 469

<210> 10349
<211> 514
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E7
<400> 10349

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gcgtccgaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnacc gtcgtcaaca actgtccctt cactgtctgg 180
ccagccattc aacccaacgc cggccacccc gtcctagaga aaggtggctt cgctctccca 240
actttcactc ancgtcctt caacgttcca accacacact ggtccggtcg catctggggc 300
agaacntggt gtgcccacta caacggaaaa ttctnctgcc tcaccggaga ctgcggaaac 360
cgcttgaat gnaacggtct cggcggggca ccacnaagct tctctagctc agttcgacct 420
cnaccacggt ggtcaggacg acntcncctc gtanggtggt ctctctcggt gaangttana 480
atgtnccgac ggacggtgga ctctnaggg aagg 514

<210> 10350
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B11

<400> 10350

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aacactatta gctctcaaac tacctgacca ttctagtcac ttaacctatt acgctctctt 120

ctcgatgttc cctcttcttt gccgtgacaa actcttgatc ccttacttaa cactatcttt 180

tctcttcacc gtcactatc attcaccggg gaatcacat gcgatacaga aaaccgacgt 240

ttcatTTTTT tcttttaaaa acttcccggt ttatgttttc ttactacgaa cccatttctt 300

catctccgta gttcttcatg tctctatct taccattaaa cctcctcaga agtacccttt 360

cctattcgaa ngcactgatn atgaatctct gtttctcata cttantaatg gttggc 416

<210> 10351

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-E4

<400> 10351

aaatgcngaa tgtacttcga aattctaacc tgacccttgc cgttttgant tgctttgtcn 60

tgatagcttc aaagctatgt tccgtcgatt cctctgtgta tgaccacac aaaaccctga 120

agcagcggtt cgagaagtgg cttaaaaccc acagcaatan atggaggaan ggatnagtgg 180

atgctacggt ttgggatata tcagtctaac gtccagttga ttgactacat caactcnctc 240

catttgccct ttaagctaac ggataataga tttgcanata tgaccaattc tgagtttaan 300

gcccattttc tcgggttgaa cacgtcttcc ttgaggttac acnaggangc agagaccagt 360

tttgnancc agcaggcaaa ggtcccggac gctgttggac ctggaagant caaggtgct 419

<210> 10352

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-F3

<400> 10352

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gttactcgcg ttgcttctgg tttcagccgt agctgacgat gtggttggtt tgactgacga 120
tagcttcnaa aaggaagttg gtaaagataa aggagctctc gtcgagtttt acgctccctg 180
gtgtgggtcac tgcaagaaac ttgctccaga gtatgaaaag ctaggggcaa ctttcaagaa 240
ggctaagtcn gtgttgattg caaangttga ntgtgatgag caaaagagtg tectgtacta 300
aatangnggt ttagtngggg taccacaacca nttagtgagg tttccnaaa aggatttnt 360
tgannctcng angntntgaa ggggtccac gccattgcng gaaagcttng gnetgaaaac 420
cttaaacaag gga 433

<210> 10353
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-F4
<400> 10353

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gcgaagaatt atgataacct ctcatcaacg ataagacaaa atccataaac tagtantatc 120
atccaatect ctcaattctt ccttattccc tcaatttcac tctcactatc tgttgacttc 180
acatggcttc caccgcccga actgcagctc tttcgatcat caaatccacc ggtggcgccg 240
ccgttacacg ctctcccg gcctcctttg gacacattcc ctccacatcn gtctccgcac 300
gtcgcttgg nntctccggc cgtcgtngac tctcgtttct cgggtccangt ggcgtccaag 360
gtccacgccc gntgcncngg aaagggccgc cagggggaggt gnattacgat ngcgaangaa 420
gagtgttggg gatntggaat tctggtg 447

<210> 10354
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-F7
<400> 10354

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ccgatcatga atccgacgaa aacacccgtc tttaccatcc ttaccagaac taccaggtcc 120
cgatcaaatc tcagtatcta tacaagcttc cgactttctcc ggaatttcta ttcacggaag 180
agtctctcaa gcagcgtcga tcatggggag aaaatctcac tttctacaca gggacggggtt 240
atctagccgg ctctgtagcc ggtgcttcag ctgggatent ctenggtatc angagtttcg 300
aaaatggana cacgacgaag ctgaaaaatc nacaggattt tgaactcgtc tggtcaggca 360
ggtccgactt ggggtaaata ngggtttggg attggtgggg ttgatctngc cagnggattg 420
aaaactggtg tgggtggcng g 441

<210> 10355
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G2
<400> 10355

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tatgttggag aggtgcttga tatgcaatcc tatgagactc gccaaaaaga atatgctttc 180
aagggtcaga aacattttcta tttcatgaca ctaaattggga atgaggtaat agatgctggt 240
gcaaagggaa acctanggcg tttcattaac catagctgtg aaccaaaactg ccgtactgaa 300
aagtggatgg tgaatggtga aatttgcggtt ggaatattct ccatgcaaga ccttaagaag 360
ggtcaagaat tgacatttga ctacaactan gtcanggggtt tttgggtgcc ngccgccaaa 420
aaagtgcgaa ntgttggatc aancacattg gcacnanggt tatatttggn gggaanattc 480
tcctgaaatn gtgaat 496

<210> 10356
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G4
<400> 10356

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ctcaatcttt acatatatgg taaccaactc ttattccatt cctctgtaac tcacacaaat 120
tcctgtccaa aaattagttt tttcttttca tgtgatgtga gaatttgggt tacgagaaag 180
atgaanacta ttagtggatt aggtattggg ttaagtttaa tgtttgggtt tcttctatta 240
gcacttggtg gagaagtcta ctatcttcna aagatgtaag aagcacaaga aggagagtca 300
taagccaaga gagtgaagaa gaganagaag aagaacaaca acaaaacgga tacgctaaag 360
aacnaatcca gctcttctgc ntcaaaaaaa ctcaatctnt gcagcaagac aaatgggagg 420
aacgagaaag gtgaaagtcc ccantg 446

<210> 10357
<211> 355
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G5
<400> 10357

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gcaactagct aacaatggga taactgtggt tttaactgcg agagatgaaa acaagggtct 120
tgctgctgtc caaaagctca atactgagaa tggtttttct gatcaagcca tctcctttca 180
ncctcttgat gtctccaacc cagacaccat cgcttctctt gctgcttttg tcaagaccg 240
cttcggcaaa ctcgatattc tgggtanaat gccggaattg gaggggcgaa tgtaaatggt 300
gantgttcnc aaanctcaga ttggctgaan gctggtgcgc caaactgata ntcc 355

<210> 10358
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G7
<400> 10358

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tgcatttttc tggcaattct ttgttggtta tcattgagtt gtatagtaaa agcatcagtc 120

tcttatgata gtaaagctgt gatcatcaat ggacaaagaa gaatccttct ctccggttcc 180
 attcactatc cacgaagcac ccctgagatg tggcctggcc taatacagaa agccaaagaa 240
 ggaggcttgg atgttattga nacttatgtt ttttggaatg gccatgaacc ttctcctggg 300
 acaatattat tttggagaca ngatatgattt ggtaaagttc atcaagttgg tgcaccaaag 360
 ctggtcncta tgtaaatactc aagaattggc ccttatgttt gtgctgaatg gaantttggg 420
 gggaanttcc cggtttggct ca 442

<210> 10359
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-G8

<400> 10359
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 caagtagttt tattcgatct gaatggcctg cggttgatat accatttgat catcatgttt 180
 tcaaagtccc aaaaggatat aatgcaccac aacaagtaca cataactcaa ggtgattatg 240
 atggtaaagc tgttatcatc tcttgggtta cacctgatga acctggttct agccaagtac 300
 attacggtgc ggttcagggg gaaatatgag tttgttgctc aagggacnta ccatancnac 360
 acntntttac aaagttaaaa gtcttgggct ttagtcatca ctgccttgtc ncc 413

<210> 10360
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-G9

<400> 10360
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 atagtttttg tttcgattcc gtcaatctct gacccttttt ttggaggatt tgtagaaagt 180

tgagtcttaa tctatttgca tttatgggtc ttcctattga gataacattt ctatggattg 240
 cgatgtctat tantattcan ntttatgatt ctgatttgct ttagataaga naagggtttt 300
 atgaaagtta ctatTTTTat ggtaaagttt ctanttttgc ttaagcagag atttcancnt 360
 tagcatttgt acttggtcga natccgataa ncncaatttg gaggttggtc ggtttnggat 420
 t 421

<210> 10361
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-H10
 <400> 10361

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 tgtttcttct ctacaacgac tagagatgag ctcttctca atctcgttat ggagtatgta 120
 ccagagacat tgtaccgggt tttgaagcac tatactagtt caaaccagcg gatgcctatc 180
 ttctatgtca aactttanan atagcaaadc ttcagaggen tggcttanat ccatactgct 240
 cctggtgtct gccacagaga tgtgaaacca nanantcttt tggttgatcc cctcacccat 300
 cactgtaagc tctgtgattt tgggaagtgc aaaagtactg gntgaaacgt gaagcnnaca 360
 anatcatata gccgcncncg gtagttaccg aactccagaa cnc 403

<210> 10362
 <211> 291
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-H3
 <400> 10362

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 agacatttct ggggattgat ggagatgaaa ggagataaag agagttttca gatgtaatta 120
 annagaaaac agatcttttg gattttaggg tttatatcca acaaaagcta accaaaaact 180
 aataattcaa gattggtgct tcggaagaag acgcanaagt gtattttctt gcagttgcaa 240

aactgttacn aaatttttaa agttttccna aaaanaaaaa aaaanaaaag g 291

<210> 10363
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E2-A12
 <400> 10363

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 gctttttccga ttatcctctc cggattcttt aatcgacgca gctgtcctca ggaacaggac 180
 aaagccgctg cagtcgtttc gaatggaggt cgtttcgagt aattccacgt gtctttcgag 240
 tattancgtc ggtgaagatt ttccatcaga atatgaagca gtggctaccg gttccggatn 300
 caganagcan gaagaanagc tgnngcgtttt gctacacnag acgtcntttc gtggtcctca 360
 tggnatnggt natctcgga gaagaaggcc ttccgggnca nncnangtgg cnttcagtcg 420
 aacggggttg tccgtttggg angg 444

<210> 10364
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E2-A8
 <400> 10364

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 gtgttgctgg accattggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180
 ttaatatctg cttagganat ggatcaacga gacgtgggtc ggttttggaa gttgatggcg 240
 anaaagcagt tgtgcagggt tttgaaggaa catctggaat tgacaacaag ttacaaccg 300
 tgcaattcac aggagaggtt ttgaaaacac ctgtatcatt gngacatgct tgggcgcata 360
 tttaacggtt caggaaagcc gatttgataa tggccctcct attctgcn 408

<210> 10365
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-E3

<400> 10365

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cacacatcag tggtttggtt gctgctaata taatcccttc accgttcgac tatgctgatg 180
ttgtaaccac cacaactcac aagtcacttc gtgngacccc gtggagccat gattttcttc 240
agaaaggggtg ttaaggaaat taacaagcaa gggaaagagg ttttgtatga ttttgaaaga 300
cannatcaac caagctgtct tccctgntct tcaaggtggg ccacacannc acactatcac 360
anggactang ctgttncctt tggaanaaat gcaactact tcagaagta 409

<210> 10366
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B10

<400> 10366

tctcgaactt cgccggagaa tgatggaaac agctctgctc cggtactgcg tcaacttttc 60
cggtcacaag aaaatctctg ctcatcaaag aagtaatagt gagattccga aaacgagtcc 120
gggaggatgc gaagacgagt ggtgtgctag ggttttgagt agaagatcgg taatggcgtc 180
agggttggtc tctcgcacga cggttttagc atttccaagg gaaggattgg ctgtcgtaa 240
acaaggtctt ctgcgtggga gagttcctgg tctgtccgaa cctgatgaag aangttggag 300
aacataccgt agaccaagac gaagaagtca gganggcatt gtgttggttg gagtcctatt 360
atcccttacg ctttttcggt tctcaagat tggaatgang tacctgtatc gatcgc 416

<210> 10367
<211> 473
<212> DNA

<400> 10371

gaaccgttcc caggagctgc tttgatttgg tttatcggtg atctgtgaaa atggggacga 60

atgatctcga catcgaagaa gggactctgg agatcggcac ggagtataga actgtttctg 120

gtgttgctgg accattgggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180

ttaatattcg cttaggagat ggatcaacga gacgtgggtc ggttttggaa gttgatggcg 240

agaaagcagt tgtgcagggtt tttgaaggaa catctggaat tgacancaag tttacaaccc 300

gtgcaattca caggagaagt tttgaaaaca cctgtatcat tggacatgcc ttggggccgca 360

tattttaacg ggttcaanga aaagccgaat tggataatng cccctccgaa ttctgccaag 420

angccataac 430

<210> 10372

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-B4

<400> 10372

gtaccgcccc aaaaattccc aaggtcnacc cacgcgtccg nannatcagt cccgatccgag 60

tgaagacaga ctctgaggag ctattgcagt tagatggaaa gagtatatct gagtgggtga 120

gtgaaataga tgcantttcc aaagaagtan aggcagagtt acgtctcacg agatatcggc 180

tgtcacttgg ttcaagttct tgaagctgta aatanagtcc tcttcgatct ganaggcttc 240

aanaggacat ctaantactt tagaccgga gaattcctag cttcacnctg tacttaactg 300

tanatgcagc actgcgtttc tgattaagtg taaganacat tgaagtttgt aagcgctga 360

atgtaccaat tggttggatc tccagttggg gggaanatnt ttcnggantt ggcctaaaan 420

cgggagtatc ctggagggaa ctctttaana ccaacttcaa ngacagagct tggt 474

<210> 10373

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C2

<400> 10373

ctgttacgcc tgntgtacgc ccanaattc ccaaagtcga cccangcgtc cgaaaaaacc 60

ttgacgccgt tttcttcttc gatcttcttc ttctctcaga gaaaacaaca tggccatggc 120

aacaaggact ctaggctttg ttttgcttac gagcttatct tcccagcctt ccttcgaccg 180

tcgcggcggt ggatttaggg tttctgtcat ccgttgctcc acttctccac tcacttttcc 240

cacttctggt gttgtggaga aaccttggac ttctgacaat gctaggcttg tgtagaaca 300

tggttctatc tggcctgcta agtcttttgg gtgctcctgg aaccctgatt gctgaantgg 360

gtgtttaaca cttccttgag agggatatcaa gaaattttaa ctgatccnag ttaggctggg 420

cagtttgtgc naatgacaaa gccananant gggtaatnac tggngtcaan nccctgaatg 480

aatngaagaa tccggggg 497

<210> 10374

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C7

<400> 10374

cgataaaacc gaaacatcaa gcaaacaaaa aaaaaagaga agagaaatta tttttttttg 60

ttttcgtttt caaaaacaaa atctttgaat tttatggcaa cccgtcttct ccgaacaaac 120

tttatccggc gatcttaccg tttaaccgct ttagcccggt tgggtcctcc caccgtgact 180

gcttccaccg ccgtcgtcnc ggagattctc tcctttggac aacaagcacc ggaaccacct 240

cttcaccacc caaaacccac cgagcaatct caccganggtc tcgatctcnc cgatcaagcc 300

cgtcttttct ccnctaance canagcncng gatctcccnc cgttccanng cccgtgtttg 360

catgcngggg cgataggtcc cnatnggtcg aaccttaggg gacgtggggg cagtgaagccc 420

cgaaantt 428

<210> 10375

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-C9

<400> 10375

aaaatatgta nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccgct ggacgtcgaa 120
 acaacctgcc tcgtccaaac ctcagaagac gatgtaaggt caccgcttca cgggctaata 180
 ttgancaaga aggtaacaca gtgaaagaac ccattcagaa tattaaggt anagggatac 240
 ataacggccc acgaagagtt tctggagggc atnacttggc caagaggtct cgatngacat 300
 tgcnganatc cggcggcagg attaattgct cncngagct taattagcgc cnagaactga 360
 ccaacggggag ttacgggnag aacgactacg ccancaaagg tggtangggc cgaa 414

<210> 10376
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-D6

<400> 10376

acgcgtccgg aaactcaatc caatctcacc aaacnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 natgaaattt ggactcaact cgcttcgagt tagagtagaa ggatttgatt gcttgaaccg 180
 tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tagtgaacaa 240
 gtgtacatag agattccgga atcgttcggt cgccaatgcc taacagagga ggatttgatt 300
 actactgctg caactattac tactaccatt tttgaaaagt aaatgaatat gtttttgttt 360
 ttcattcttct cctaangaga gagaagagag ggaacaggaa ggaggaagat gaagatcant 420
 tancgtcgcc gggtcaccgg ttttaa 445

<210> 10377
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-D8

<400> 10377

acgcgtccnc ttcgttatat tccttgagat aacaacaaag catcgttctt cacctttacc 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttataggat caatcgatca 120

aggaaccacc agcaccagat tcatcattta cgaccagat gctcgtcctg ttgcttctca 180

tcaagtcgag ttcactcagt tctatcccga agctggatgg gtggaacgat ntatggaga 240

naccgggaaa gtgtgtgaat gtgcantnca naaaggctct cgacaaagcc actgccgatg 300

gacacaacgt cgacggtggc ttgaaggcca ttgggcttac agatcagagg agagactact 360

gttgtttgga gcaaateccac tgggccttcc tctccacaaa ggctattgtc tgggatggat 420

gctcgtacca nctccatctt gc 442

<210> 10378

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-D9

<400> 10378

aactgtttca cgccgccng taacgggtcca naaattcccg ggtcgacca cncgtccgnc 60

cacgcgtccg aagattttga tgtggttgat cttgacccat atggtgcgcc gtctattttc 120

cttgactcag ctgttcaatc agttgccgat ggtggtttgc tgatgtgtac agcaactgac 180

atggcagtgt tatgtggagc taanggcgag gtctgctatt ccaaataatgg ctcttatcca 240

ctgaaaggga aatattgtca tgagatggct ttgaggatcc tcctcgccag catcgagagc 300

catgcaaate gctacaagcg gtatattgtt cctgtntctat cggtcnaaat ggatttcnac 360

gttcgtgttt ttgtccgct ctacnctcn ngcgangtgc aatgaagaat acnccactaa 420

aagctencat angtctacca attgcaattg ggntgtgatt cccattcaat cttcagtcgc 480

gtttggaaag atttctc 498

<210> 10379

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-E1

<400> 10379

tgtttacgcc tgcnggtacc gncccaanaa ttcccaaggt cgacccacgc gtccgcgcag 60
tctcccactg attcagcang ctctttgaac tactcttcga caatggccga acgtggtgga 120
gaacgtggtg ttgagcgtgg tggagaacgt ggtgatttcg gacgaggatt cggaggccgt 180
ggaggtcgtg gagatcgtgg agggcgtgga cgtggaggcc gtggtggtcg tcgtggangg 240
cgtgccactg aanaagagaa atgggttcca gtgaccaanc ttggtcgtct cgtggcggct 300
gggtcatatc aagcagatan agcagatcna tcttcantca ctcccggta aggagtacca 360
gattcattga tatgtcatc ggtccaacna ttgaaangat naaggtaaatt tgaaanatca 420
tgccgggttc aagaaancaa anccaanggc tgggtcaaac ggactagatt caagggcctt 480
tggttgctcg ttggagangg taaat 505

<210> 10380

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-051-Q1-E1-G3

<400> 10380

tgacttatgg tactgttggg ggaagatttg tcaaagggca gaatccgttt tacgaagagg 60
cgtatcagcg ggtagctctt gatcagcttc tgagaatcgc tgggattact gatgatgact 120
tgttgttaat gtctgatgtc gatganattc caaanttaga cacacntta acccttttga 180
agaatggtgc gatgagatnc ccgaagatac ttcattctgcg cctcaagaac tatctttact 240
ccgtttgaat tccttggtga taacaaaagc tggaaaagct tccatccaca gatatgagac 300
gggtaaagac acggtangct cattatcgac agtctgatgn aatcttggcn gatcaaggat 360
ggcattngta ncttttgcnt ccgacgaatn cagtgaagttt anattcccag atgaaagcta 420
ta 422

<210> 10381

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E11

<400> 10383

cgtttacgcc gncccgtacc ggccccaaaaa ttcccgggtc nacccacgcg tccgcaacaa 60
agtggaagct caaggaggaa atggtggana aacattcgac gatggtgttt ttgatcatgt 120
aagaaagggt tatgttggtc aaggtagtc cggtagtagct tatgtcaaata tcgaatatga 180
gaaagatggg aaaagagaaa caagagacca tgggaaaatg acattgttag gaacagagga 240
gtttgaggtt gattcanatg attacatcac atcaattgaa gtttctgtcg acaaagtctt 300
tggttataac agcgaaatcg tctactgctct tgtgttcaag actagtaagg gtacaacctc 360
accgcctttt ggaatggtga ctgagaagaa attcgaactt aaagatggta acggaggaaa 420
acttgccgga ttccatggga aagctagtga tgttctttaa gctcttggtg cctanttt 477

<210> 10384

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E2

<400> 10384

acgcgtccgc ccacgcgtcc gtggcgattt cagaagaaga agccaaactc gaaaggttcc 60
tagattggct tcaggtgaat ggaggtgaat taagaggctg caacatcaaa tattctgact 120
ccctaaaagg atttggcata ttcgcttcca cctccactca agcttccgat gaagttttgc 180
ttgttggtcc gcttgatctg gccattaccc ctatgagagt tcttcaggac cctctcctgg 240
gccctgagtg tcagaaaatg ttcgaacaag gacaagttga tgaccgcttt ctcatgattc 300
tgttcctcac tttgggagcg tcttcgtatc aattcttctt ggaanccgta tctgatatg 360
cttcnaanc catttgggca aancctcctt ggggtttt 397

<210> 10385

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-E5

<400> 10385

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acgcgtccga gggaatggag agttgctgtc ggagcgtcat agcttcaagg acgtttcatc   60
tgcggtcaag tggccgtcta tttccctctc ttagcttaac tcatctcaag ggcaagctat   120
ctctctccat caactcgttt tctccaaga ttcagtctca tgctctccga ggagttggta   180
taggcgagtc agataagaaa aatccccctgc cgcgagggggc cggagaagga gtcaaggaag   240
atgcgaggag taagctgctt catgtagttt tggctctctc tcagattcct gggataacag   300
gttgcaattgc aagaacatgt gctgcctcag ctgttggtct gcatttagtc gggccattan   360
gttttcaagt ggatgacgcc aganttaanc naantggnt tggmataatg ggccctttgg   420
tggtnttcaa accccaaacc c                                           441
```

<210> 10386
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-E7

<400> 10386

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ttatgaagct actggtctta aagggatgct tgtctatggc gtcgaacacg ccgatgacgc   60
tgtatcttgt gatgataaca tgcaacaatt cattcgaacc attgaagctg ccaaattctt   120
accaacatct cactttagct cagtgggtgt gaagataact gccatttgct caattagtct   180
tctgaaacga gtgagcgatc tgctgcggtg ggaatacaaa agtccgaact tcaaactctc   240
atggaagctc aaatcgtttc cggttttctc cgaatcgagt cctctctacc acacaaactc   300
agaaccggaa ccgttaaccg cggaagaaga aagggaactc gaagcagctc atggaangga   360
ttcaagaaat ctgtaagnaa tgcccaagan tccaatggtn caattgggtg nattgatggc   420
gg                                                                422
```

<210> 10387
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-E8

<400> 10387

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acgcgtccgg taaggctcgg aggaaaacct aattcgctccg gagaatctcc acctcactct   60
cgccaaacgc atctctgttg tagcttgtga tggatccaac acagaacaca agtgcaggga   120
ttggtgggag caatggtaca atcagatatc aaaccaatga tgggacttca actgtgaccg   180
ttgctgatga ttcaaaggag aatctttccc aagtcataaa ctctattgag aaaactttag   240
gagtccttca tcagttacac cttaccgtca cttctttcac acccgctct caactccatc   300
tcctccagcg ccttaactct cttgtgatgg agctagataa catgactaaa gttgtctgag   360
aaatgcaacn ttcaaattcc caaggagggt cctaanc                               397
```

<210> 10388
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-F10

<400> 10388

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acgcgtgggg cttttatgtt cttcggacgg aacaaaacaa cagtacgagt ggatttgtcg   60
agaaacatgt ttaatttcga tctcgtaag gttaagttcg ctagaagcat agtttcgttg   120
gatctgagcc agaaccatat ctacgggaag ataccaccag cactgactaa actacacctc   180
gagcatttca acgtgagcga caaccatctc tgcggaaaaa tccaagtgg cgggtctactt   240
cagacctttg aaccatctgc cttcgctcac aacatctgtc tttgtggaac tccccttaag   300
gcttgtaaat ttggtttaat cttggcggaa gaataaaaat aatgttgaat atgttatgat   360
gatgtgttca ttatcaccgc caaaccaant ttattgtttc cttgttatga atttaaantt   420
a                                                                                   421
```

<210> 10389
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-F11

<400> 10389

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gtccaaaggt tgttcttgct tccatggcta gtctcgaagc cggttttgct cgagagatat 120

tcgtggagtg ggcaaagat cccagaaatt tagtcctctt tactgaaaca ggccagtttg 180

gcacttttagc ncgtatgctt cagtcagccc cacctccaaa atttgtaaa gtcaccatgt 240

ctaagagggt tcctttggct ggggaagagt taattgcata tgaggaagag caaaacanga 300

ctgaaaaggg aagaagcttt gcgagctagc ctcgtaaag aagaggaaac aaaagcttcc 360

catggatccg atgataattc aagtgaacct atgatcatag ataccaagac tactcacgat 420

gttantgggt ctc 433

<210> 10390

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F4

<400> 10390

aagaagaaag aaggaagacg atgatgatgc tcagaatccg aagcagagat ggactggaga 60

gagtcacagc ggaggagct catatcactg tttcccagct caaaaccttg atcgcggatc 120

agcttcagat ccctctccat aagcagacct tatccaccaa tcgtgatctc ctctcgcca 180

aaactcccgc tgatctactc gccttcaccg acctcacgga cccaaacctc cccctctcct 240

ctctcaacct cggccatggc tctatgctct acctcgcta cgatggcgaa gcgtccatt 300

cctggagctc ctcccgttac tcctgccgga ttcttcggga ggaagatgac cgtcgatgaa 360

ttgattgccc cgccaaatgc gcgtcaatcc tcagggggnn gtttcaatgg ngaatcccgt 420

<210> 10391

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F8

<400> 10391

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acgccagcaa attaggactg aagttgtaca gactggtaaa agagcatcta atttagcagc 120
tggactagct gggaagtata ttaccagtag aggctggtaa accgctgggtg gtcccaaaga 180
cggttgagca tttcaccggt ccacgcttc ttcgcaaca tgtttcctcc cctgctttgc 240
cagggaaagc aagattcngg taatcaatgc ttcctgctat tattaaagaa gacctggggg 300
tacctaattg gnggatcaga tattcanggc tgggtgaaat tcttcaaagc tngaaagtca 360
tcagaaanag nncaccttgc caaaantcca acccaag 397

<210> 10392
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G10
<400> 10392

ctgtttacgc ctggnccgta ccngtccaa aaattcccgg gtcgaccac gcgtccgcng 60
acgcgtccgc ccacncgtcc ggccccactg cttggagatt ttacagata tcttgatgg 120
ctcttgctcg tgtaattagc agaaatccta atctaaaaac cctcaaagcc aggggatgta 180
aaaatctact ccaattataa gttgacggca gaactgacaa tttctctccg ttggtttctg 240
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gggggttttc ttatttctct tttgagtctt tgagacctgc agcttcgttc ctacgagtta 360
taagtgtggg tttgggtgct tccttaggtg aagatgtttt aaagcttcta ccttcaactt 420
gtcctttgct agagtctatc gtcctccatt ttcangaaat atctgattct gcctttgaca 480
agt 483

<210> 10393
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G2
<400> 10393

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cctattctct tcttcttctt accatttcaa tccaaaaaga gggcaaattc aatgcttctc 120
taaaggagac gacttttact gggttcttcat tttcaaacca tcttagagct gaaaagatat 180
ccacctggtt gaccatcaag gaacagagaa gacagaaacc gcgattttcc accggtattc 240
gtgcacagac agttacagcc acgccgccgg caaacgaagc atcgccggag caaaagaaga 300
ctgaagagaa aaggcactgc agtgatcact gggagcttcg tccgggttta agtttaacta 360
cnggcaaang ctttancagn cacnggggaa attgcntggg gnttnatggc ttngaaggaa 420
cttnccaag ggccaaaa 438

<210> 10394
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G3
<400> 10394

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gtcaattctc gtttcaactc ctcaatataa tgcgatttct caaccggaat atctgaatct 120
ctcgggtggtt acctctgata tatcgccagg aactgaactc ctactcgatc tctatcaaca 180
atgccgtcct tgtagaactt tggatccaac tctctgattc cgtcaatttc cattaanac 240
agctcagcga aggaactttg agtagaagaa gataatgtca cattcatggg atgggtcttg 300
ggagattgcy tcagtggctc agctgactgg tttagatgcy gtcaagttga ttggtctcat 360
aatcaaaagc tgcgaatact ggcttggatg cctaagaaga aattgccgctc n 411

<210> 10395
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D5
<400> 10395

atctccaaga caagcaccag catcagattt tctgcatcct taaagatctc gttgcgggtt 60

ggctctgaccg gctcacttat cgccgccaat gagtatgcct gttctagtagt cgatatacac 120
 tttactcgtg ccaatttccc taaagggttc attttttgga ccgcaactgc tgcttttcag 180
 gttgaaggag ctgtaaatga aggatgtaga ggtccaagca tgtgggacgt atacaccaag 240
 aaattcccac ataaatgtaa ttatcacaat gccgacgttg ctgtcgattt ctaccatcgt 300
 tacaaggaag atatcaagtt gatgaaaaat ctgaacactg atggcttttag attttccant 360
 gcatggggcca aaatattccc ccangg 386

<210> 10400
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-C10

<400> 10400
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 ggtataaatt tgatgatgaa cgagtaacca aggaagattt ganaagggtt ttggaggagc 120
 aatatggtgg tgaagaagag ctaccacaga ctaatcctgg tttcaataat aaccctcctt 180
 tcaaattcac aaagtactcg aatgcttaca tgcttgata tatccgagaa agtgacaaag 240
 ataaaatant ctgcaacgtt gatgagaaag acatagcana acatttaagg gtgaggctaa 300
 agaaagagca ngaagaaaag gaagatnnaa gaagatacaa ggcacaagct cacttatata 360
 ccataattaa ggttgcaaga gatgaagacc ttaaggaaca aattggggaa ggatatatat 420
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<210> 10401
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 <212> DNA
 <213> Arabidopsis thaliana
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<400> 10401
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tgcagcttct gccgcggaaa tgagctccg agaaggtagt ggtggcgggtg gtggctcagc 360
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a 421

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<210> 10402
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10402

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tagaattcat cttttgcttt gtttatttgg gtgtttatct atcgcaggaa ttaggggtttt 180
tggtctgctt cgatggatat ggatcaagag ataggtcaaa attctcctgg atttgatggt 240
gaatcagtag tgtcaatgag taatagaagc aaggagactg aaccagtccc gggtgagaat 300
gactattatc gggaaaacgg attcaacann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncagaa gtccttcac tgatttgaat caactcccgg cgattccgcc aacttctant 420
gggtcaangg tttgccgttt gcacctgtcc aatttcccga nccccgggcn atttttggac 480
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<210> 10403
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-C7

<400> 10403

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 tccaaaacgc gacgtcagct tcacctctcc ctctcttccg gcggccgac caaagcaacc 180
 acagcaactt cgtgaagcat cctcgccgaa gtcaggtggt tttcccggtg aatcatagta 240
 gttgtgatct gtctgcccgc gagggtgtgc gggatgagac ttaccactt taccggtcta 300
 aagaatgcgg ccgaggaatc atagatncgg gattcgactg ccagacttan gggagacctg 360
 antccgacta acccaagttc cgggtggaaa cttcaaang ggaaggtccc cta 413

<210> 10404
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-049-Q1-E2-C8
 <400> 10404

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 tgccacagcc agtcacttta gataaccaca tctcccta at cccacatac aaaccgggtc 180
 cggttctcac ttccattca atccccgtcg tcaacctagc cgatccggaa gcgaaaaccc 240
 gaatcgtaaa agcctgagag gagttcgggt tcttcaagg cgtaaaccac ggagtcggac 300
 ccgaactcat gactcgggta gagcaggagg ctattgggtt cttcgggttg cctcagtctc 360
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 aacgggtaac tttggttga ttgant 446

<210> 10405
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10405

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gctgctgtcc aaaagctcaa gactgagaat gggttttctg atcaagccat ctcctttcac 240
cctcttgatg tctccaaccc agacaccatc gcttctcttg ctgcttttgt caagacccgc 300
ttcggcaaac tcgatattct ggtaataat gccggagttg gaggggcgaa tgttaatgtt 360
gatgtttctca aagctcanat tgctgaagc tggcgcgcca actgatattt ccaagataat 420
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<210> 10408
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D12
<400> 10408

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cacgttccca agtcccctaa gaccactgat gtcaaacc ctgactttct tgtaaccatt 180
gagcccaaac caactattct cattccccgt gttggaaggt tcttgcttcc tcccaaatgc 240
aagaagccgt tctaccctta caatcctgtc accgganctc cacttactgg tgggggaatc 300
ccatcatata atgggtggaca angggccgga cctcacaccc aactccctgg tggcgatgat 360
acgcttgtcc caaaccgccg atttgaagcn gcaaccggaa cattggagct ggcaccggna 420

<210> 10409
<211> 515
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D2
<400> 10409

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tggaactga aattgtcaat agacttgga atagtttctc tcgtgcacct ttggcggcag 180

CGTTCGTTGCT

ttgttgggtct ttgcactgct gttgccattt tgcgatgttt tccactgggt gaacttctct 240
ttttccacat gcttctcatt aaaaagggaa ttacaacata tgagtatgtt gtggcaatga 300
gagccatgaa cgaagcgcca natggaacat ctgttgacga agaaattcag aatgtgctct 360
aatctcccac tgggtctgct anaaaccggg ctttaaatgg ttggaanncc nctcgggtta 420
acaataaaan gggggggctn ggggtgnnacn ccaacctaaa aanggtttgg aaaatccag 480
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<210> 10410
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10410

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tcttaatgaa agtcatctcc tttctctttg gtatcccttt tcttcttctc tgcttaattc 180
ctgaccaaaa attgtgacaa gatctttcaa tccaaaagct atatacatta agagctcagg 240
tcaactatctg acgggatccg tgacaatagt ggttactgga gtcaaaagca gctccttgaa 300
tcttgagtgt taantagata ggtaaggtaa ccgttcatgg cctcgaagta tggttctgga 360
gttctccan aaaatnagaa ngaaaaaggn gatnaggaaa accccggaaa nattctaadc 420
c 421

<210> 10411
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10411

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gtcaattctc gcttcaactcc ctcaatataa tgcgatttct caaccggaat atctgaatct 120
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atgccgtcct tgtagaactt tggatccaac tctctgattc cgtcaatttc cattaatatc 240
agctcagcga aggaactttg agtagaagaa gataatgtca cattcatggg atgggtcttg 300
ggagattgcy tcagtggctc agctgactgg gtttagatgc ggtcaagttg attgggtctca 360
tangtcaaag ctgcgaaata ctgcttggat gcataagaag aattgtcggc aaatcgctca 420
aacatctcaa actcaantgg gaaattgcct taa 453

<210> 10414
<211> 526
<212> DNA
<213> Arabidopsis thaliana
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<400> 10414

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catgacaagt ttcttcacgg agacaaaacga gcctgatgac acaatagaag aacctcttgt 180
cccaaaacga gaagaccaag aaccaggact gcaaacacct gatctaactc tgagtgaagt 240
ggaagatgag aagccaaaag atgtagattt gcttctgcc tcagagagac ataagagaat 300
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gacttctggc tcantttcnt ctccctgctg cctggntctg nggtcgggtt tgnccantaa 480
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<210> 10415
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 10415

<400> 10417

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taaataattc cactgacgat ggtccacaac atgacattgc tattgttggg ggtggaatgg 180

ttggaatcgc tttanctgct tcattggcca gcaagccatt gacaaagcac ttgaatgtcg 240

ctattattga caataatcct cttttgggga gaagaaatat catagagaaa gggcatcaac 300

ctgatcccan antcagtaca gtcacacctg cancaatatc cttcctcaaa gatattgggtg 360

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<210> 10418

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A11

<400> 10418

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tagatgctgt tggtaggcaa agaggaaccg gaattgggtg aggtaatgat gaaagagaac 180

agaccctcaa tcagctccta actgagatgg atggttttga aggtaacact ggtgttatcg 240

tagttgctgc aaccaataga gcagacattc ttgactctgc tttgttgagg ccaggacggt 300

ttgaccggca ggtaagtgtt gacgttcctg acgttaaggg gagaacagat attctcaagg 360

ttcatgccgg caataagaag ttcgacaatg atgtttcact tgaaataata gcaatgagaa 420

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<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A6

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 actgttgctt ctcagccctt tccccaccg cgaaaacgta gaaatcgtaa agcttcggac 180
 caggagaggg acagagatcg tgggcatgta cgtgaggcat ccgatggcta cctccacgct 240
 cctctactcc catggcaacg ccgccgatct gggacagatg tatgaagctc ttcattgagc 300
 ttagcancca tctcaagggt aatcttangg gatacgatta ctccgggtat ggacaatcta 360
 ctggaaagcc gagtnangcc tnacangtta tgcctganat cnaagntggt ttaaaaagtn 420
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 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-049-Q1-E2-A7

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 gtctactatt tgttcctttt ggatattctt cggacttttc gttgatttga ttttcaagag 180
 agagagtttg aacaaggaag gattgaacta tggaagatgc atcagagact agctactggt 240
 gtcacatgtg ctcccgatcg gtgattccat tgattcaaga cgaaatcatc aaatgcaatt 300
 tctgtcaaag tggttttggt gaagaaatgg ataataatga tgaccatcag gctgctgatt 360
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<210> 10421
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
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<400> 10421

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cggccgatat ccgactttgt gaaccaaag attggtgtgg tgggagctgg aagtgtctgg 180
cttgggtgtaa ctaagatggc agtacaggca gttgccaaaa tggcaggtat caccgagagt 240
gaagcaacaa aaaactttta cctgatagat aaagatggtc ttgtcaccac ggagaggaca 300
aaacttgacc caggagctgt actttttgcc aaaaatccag ctgagatacg ccagggagca 360
agtatcnttg aagtggtgaa aaagtnaggc cacatgttcc tcttggnnta acctggaatt 420
tgggtgggaa cctttaatgg aaaaatttcc caaaggnga 459

<210> 10422
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-B10

<400> 10422

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tcagttggcg aagcacgtgt atggaagctt caaaagtagc tgcaactgcg agtacagaaa 180
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naggaagact tgcctgacna gtacgatgtt gtctttgacg ccattgggat gtgtgataaa 300
ngcngtnaac gtgattangg gaaggacgga aagttgtggc attgactgga gctgtcacgc 360
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<210> 10423
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-B12

<400> 10423

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 ggaagttttc atgaaaaaaaa nnaaagaaaa aanng 215

<210> 10424
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B2
 <400> 10424

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 tgctaccttt tttagagaag gagaaatcag aagaagagtc tgaaactctg gaatcgagtc 180
 tcttacagct aatcgacgac aatcgtcgat catcggtaca gctccgggaa aaaaccgaga 240
 gatcgagaaa ggaagcaatc aggcacgcgg cgagaacggc ggatctgcta gtgaaggcgg 300
 tgaacggagg agtanaggaa tgtttcgtta acgagaaacg gattgagtcg gagattagga 360
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 cgcaangccg ttaaaa 436

<210> 10425
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B4
 <400> 10425

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 tagaaaggcg ttgaagcaga agaattgagct cgtggagacg ccaccatcgc ctgtctccgt 180
 caaggggaag tcagcgaagt ctttcgagca agatctgatg gagatgcaga caatgttgga 240
 gaagatgaag atcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
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<210> 10426
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-G12
 <400> 10426

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 atttcncttt ctctccggtg agttttggtg ggtttggtt gaaaaagagt ttctcttgtc 240
 ggaagcttaa gagtcatgaa gcctctnaga aatgtncctt acggaaaaca natcgttttc 300
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<210> 10427
 <211> 174
 <212> DNA
 <213> Arabidopsis thaliana
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<210> 10428
 <211> 407

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10428

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 agtccaatta ccatggaacg tgatgattcc agctgaaaac atggatgcca aagggctgat 180
 gttgaanaga gctatactag tagagttact aagaggcggt tgcttccaan gaaagcaacc 240
 aaggagcttg gctactacgt ggcagtcaca actttggaca agattggaga aggcaaaatc 300
 agggagcaca ccggtgaagt tttgttcccg gtaatgttca ncgggaatga ctttcaagat 360
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<210> 10429
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G8

 <400> 10429

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 atccccgttt ccgttctcaa gaaatgcgta taagactgag taatggcgaa ccagaaaagc 180
 cactagtgat tcatgtaggt cgcattggcg tagaaaagag tttggagctt ttaaagagtg 240
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 atcttgagaa gttgtttacc ggaatgccag cggttttcac tggaacgtta caaggcgatg 360
 aactctcaca agcttaccaa gtggagatgt gtttgtgatg ccatcagagt cggagacact 420
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 ccngtgga 488

<210> 10430
 <211> 380

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-H3
 <400> 10430
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 caattgtgat ccgtcagcaa tgcttgatct ttaaatttac tgatatctga agatcgaatt 180
 anggttctga tctacttgat atttatttgt ttgggctttt attcagcagc tcgatcttgg 240
 gctgaagcta tggctcagag taattgggaa gctgacaaga tgcttgatgt ttacatatat 300
 gagntatttg gtgaagaaga aacttcatan tactgctaan gtcgtttatg actgaaaggg 360
 aaaggtttct cctgaatcca 380

<210> 10431
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-H6
 <400> 10431
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 gtctctgctt tgtcggtagc tacaggagtg aagagagttt ctacaagggt tttaatggaa 180
 gatgatgact ctcttcttct tcgggatttg gatgcacaga acccttatga tcgattgctt 240
 gctctagata caagtaccgt agatccaaat tgtaacttgg attcgggtttc tgccatttat 300
 ctaacgatga angagntcta agctgggatg tgtttgacga gcgtgggtca anattccctt 360
 aatacttcgg tatngcatng gagggatgaa ganggattaa ngaagctcga tgaagttgat 420
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<210> 10432
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-A1

<400> 10432

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ctcttccgtc gttggaccgg cccttccagt aaccgcgggt ggatctgtga aggagccgag 180
gtatagagggc gttaggaaga gaccttgggg tcgattcgca gctgagatcc gtgatccatt 240
aaaaaaatct cgtgtctggc tcggtacttt cgattccgcc gtagatgctg cacgcgctta 300
cgataccgcc gcacgtaacc tccgtgggtcc aaaggccang accaatttcc cgatcgattg 360
ttctccttcn tctcctctcn aacctctcac ctacctccac aatcaaaaacc tctgttctcc 420
tccggtgant caagaaccag atcgatccgt ttaatggacc atcggttata cggcggagggt 480
aatttccaag gagcaaccag caagcca 507

<210> 10433
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-A4

<400> 10433

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tgtgtgtgtg tcaatggcgg cttaagcat ctactaget ttctctgttg attctctcaa 120
accaacccaa tcaacgaagt ttggcttctc gtcttcttca catagatata cattactcta 180
ctcgtgtaaa tctcaccgct ccaatctcag attcgcttct cctccttctt cagtttcgac 240
agctacagaa actggagaag aaaactctaa atcgaccggg aattacgcgt ttctaagagg 300
aatcgtttcg taccgggagg tttttgaagt aacgatgagt taagagaagc ttaaaactct 360
tgaaggattt gcgtattttc aagagcttga atctggatcg atgtgggttc gagttatgag 420
acatgaagag atggattcaa cgggtgcatt attggctgaa gtcatttggt gaatcgatgt 480
tattaccttc ctggttaaca at 502

<210> 10434
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A5
 <400> 10434

nccaaaatcc cgggtcgacc cacgcgtccg atgaaaattt gagattaatt cgttcacac 60
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 agagggctct gttacgagcg gcaagttatg gacaagcttt ctgcagcaat tttcagcgtg 180
 aacgtgtcca agagacttgt agaacgttac gggttttaaa tgcgggttcgt gatcctgcta 240
 ttggcatacc tottagcatt cagcagtaca agttactgac accagtgggt ttgattagtc 300
 gccttattaa tgctaattgt caccttcttg ctctgcggat atctgaagta cttagatatg 360
 aataaagaag tgggtgataat gcattgggca tgtgcaaaga taactgcttc accatcaact 420
 ccaaattctc atcttcttga aattttacnt gataagctcc aaactatgca aaaggaatat 480
 cgtatgcn 488

<210> 10435
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A6
 <400> 10435

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 gtgggggttcg ggcgtacaag catatactgc aggctgttgt agcagctgtt gaaaacaccg 120
 ctgatgtggc cacctcaata gcaacatgct taaatgtcct attggggaca ccgtctgaca 180
 ctgagagtgt atacgatgaa aagattaagt ggacctgggt ggaaacgttc atttccaaga 240
 ggtttgggtg ggattggaag catgaaggct gccaggaact gagaaaattt tccattctta 300
 gaggactgtc acacaagggt ggactggagc ttgttcctaa agactatgag atggacacgt 360
 cttatccttt taagaagttt gatattatca gtatggttcc tgtgtataag cacgtagcat 420
 gttcatccgc agatgggcgc actttgttgg gaatcatcca aaacctcctt anataaaggc 480

aaactggang atgctgtcaa tt

502

<210> 10436
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-B3

<400> 10436

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aaggattaaa gacgatcaat aacggagata gagatcgatt acaataatgg atgaagagta 120
tgatgtgatt gtccttggga ctggtcttaa ggagtgtatc cttagtggcc tcctctctgt 180
cgatggcctc aagggtactac atatggatag aaacgactac tatggaggag aatcatcctc 240
tcttaacctc actcagctat ggaagcggtt taggggaagt gacactcctg aagaaaatct 300
tgagagcaagc agagaataca atgtcgatat gatcccaaag ttataatgg gctaattggac 360
tcctttgttc aaaacccta atccaanacc cgatgttacc aaactatctt aactttaagg 420
gcgtttgatg gggagctttg tccaccagaa aaagcaacga tntaacaagn tccaagccac 480
tgatgtnga aagccccgaa atcgnccat 509

<210> 10437
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-B4

<400> 10437

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ccgcccacgc gtccgcccac gcgtccgggc gagaattgaa agacgcttcg agagagatag 120
atcatctccg ttaaacccta gcgattggaa tacggatata ctccaaatgg ctttcttaag 180
taaagttgga aggttattca gtcagaccag cagccatgtc actgcctcta gtcgatgct 240
acagagcatc cgttgcatgt cttcatcaaa aatctttgtt ggaggtatct cctacagcac 300
tgatgagttt ggcttaagag aagcttttag caaatatgga gaagttgttg atgattattg 360

tggaccgtga aacaggcaag atctaggggc ttgctttcg taacatttac ttcgactgag 420
gaggctagta atgccatgca attggatgga caggaccttc atggtcgaag aattanggtg 480
aattatgcaa ctgaaagagg aag 503

<210> 10438
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E2-B6

<400> 10438

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ggttttacia tatctatccc cttaaagttc ggaaaattct gtttttctgt tctcattctt 180
cgtgatcttt ttcactttct tcaaaaaaaaa aacatgtgtg gaatacttgc cgtgttagga 240
tgttccgatg attctcaggc caagagagtt cgtgttcttg agctttctcg cagattgagg 300
cacagaggac ctgactggag tggcttatat caagaacgga gataattact tggcccatca 360
acgtcttgcc gtcacgacac ctgcttccgg tgatcaacct cttttcaacg aggacaagac 420
cattgttgtc acggtgaacg gagagattta taaccatgag gagctgagaa aacgtctgaa 480
gaatcacaag ttccgtactg g 501

<210> 10439
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-C1

<400> 10439

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tactctcga ggtcgagtc tctgacacca tcgacaatgt caaggccaag atccaagaca 120
aggaaggaat cccaccggac caacagcgat tgattttcgc cggaaagcag ctcgaagacg 180
gacgtacctt agccgattac aacatccaga aggaatcaac gcttcacctt gtccttcntc 240

tccgtggagg tgctaagaaa naagaagaag aagacctaca ccaaagccta agaagatcaa 300
 ncacaaagca cangaaagtc aaactcgctg ttcttcaant ctacaangtt gattgttcan 360
 gtaanggtca nccnttttga ggaaggaatg ncctaacgca aacctgtggt gctgggactt 420
 tcatggng 428

<210> 10440
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-C2
 <400> 10440

acccttttga tcaaaacatg gcttccattt ccagaatctt accaacagat ggcagattaa 60
 gtcaatgcag aatcaacacc tcgtgggttc cttctacaac caagaactca aactcactta 120
 gattttccca agttagtttc tgtaagtaa ctctgggata agtttgagga ttcaagaata 180
 gtaaacctat tagccctgtc tttgctcttg aagcaacttc ctccaaggag ggttgtttgc 240
 aaagctgctg ctggtgtgtc aggtgactta cctgagaagt actcctaagg aacttagtca 300
 gtatgaagaa gattattgag cttttgacaa ccctttttcc actttgggtt aatttgggaa 360
 cacttgttgg gcattcttcaa gccatccttg gttacatggt tggaaacaga tttctttact 420
 ctangtcctg gat 433

<210> 10441
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G10
 <400> 10441

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 tgaaggccga tgtaaacgca catcttaca aaaagactga acacgttctc ttttgagtc 120
 tcaactgtgga gcagcgatct acctacaggg cattccttgc aagctccgaa gtagaacacg 180
 atttttgatg gcaacaggaa ttcgctttat gggattgatg tgatgcgtaa cgatatgcaa 240

ccaccctgat ctacttgaga gagaacattc tcaccaagaa cccagattat ggnaacccan 300
 gaacgcagtg ggaaaagatga aggttggtgc ngaangtgct caaggtctgg gaaacagnan 360
 nngacaccgt gtacntctgt tttcacange tcagcaaagt cctgacatnc ctccgag 417

<210> 10442
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H6
 <400> 10442

agatagagag atagagttat ggctttggcg atgatgatcc gaaacgcagc ttcgaagcga 60
 ggaatgactc cgatctccgg tcatttcggg ggtttgagat ctatgtcttc atggtggaag 120
 agcgttgagc ctgctcctaa agatccgac ctcggagtta ccgaagcttt tctcgctgat 180
 cctagtctcg aaaaagttaa tggttggtg gtagcatatc gtgatgataa tgggaagcct 240
 gttgtcttgg aatgtgtcag agaagctgag aaaaggcttg ctgggagcac tttcatggag 300
 taccttctta tgggaggaag tgccaaaatg gtggacctaa cattgaagct tgcctatggg 360
 gacaatagtg aatttatcaa agatanaaga attgctgcag ttcanactcc gtccgggc 418

<210> 10443
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-A11
 <400> 10443

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 ccgtagaatt caccggagac tgaacaaaaa tcccgtgagt tttttagttt tccgttacat 120
 tctctgtctc aattctgaaa cttttcacat ggggtgtgct caaatttctt ttttaattgg 180
 tgtcgangat ttatcnataa agtcaatgat cngggtttga tcaaagtctc aatctttctc 240
 ttaaatttcg aanatttgat gatcccacga gtagtctct cnaaatctga tctggctatg 300
 cttaatcngc cacattgttg cntcaagct ctggatttga ttggtntcan tgaaaagtta 360

tccanttgga

370

<210> 10444
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E1-A6

<400> 10444

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agcaacatgc ttaaatgtcc tattggggac accgtctgac actgagagtg tatacnatga 120
aaagattaag tggacctggg tggaacggt catttccaag aggtttgggt gggattggaa 180
gcatgaaggc tgccaggaac tgagaaaatt ttccattctt agaggactgt cacacaaggt 240
tggactggag cttgttccta aagactatga gatggacacg tcttaccctt ttaanaactt 300
tgntattntc agtatgggtc ctgtgnataa cgcacgtaan catgttcac cgcagntgg 360
ggcgcacttt ggttggaanc 380

<210> 10445
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E1-B3

<400> 10445

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gattacaata atggatgaag agtatgatgt gattgtcctt gggactgggc ttaaggagtg 120
tacccttagt ggctcctct ctgtcnatgg cctcaangta ctacatatgg atagaaacga 180
ctactatgga ggagaatcat cctctcttaa cctcactcag ctatggaagc gttttagggg 240
aagtgcact cctgaagaaa atcttggaag caagcanaga atacaatgtc gatatgatcc 300
caaaagttta tagggcctaa ngggactcct tgtncnaacc cctaatacaa caccnantgt 360
ttaccaaggt anccttaact ttaaagggcc cgttgatggg nagcttttgt ccacaa 416

<210> 10446

<211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-B6

 <400> 10446

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 tgggggtttta caatatctat cccctaaagt ttcggaaaat tctgtttttc tgttctcatt 120
 cttcgtgac tttttcactt tcttcaaaaa aaaaacatgt gtggaatact tgccgtgtta 180
 ggatgttccg atgatttctca ggccaagaga gttcgtgttc ttgagctttc tcgcagattg 240
 aggcacagag gacctgactg gagtggctta tatcanaacg gagataatta cttggcccat 300
 caacgtcttg cngtcatcga tcttgcntcc gngtgatnaa cctcgttnca ncganngaca 360
 aagaccaatn gtgtcacggg tgaacgggng agattt 396

<210> 10447
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-B7

 <400> 10447

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 atacaacgct tcaccagcct tctctganc ctagctgtag catcaagctt tattctgggt 120
 taaagcctca atctgcaagc tttttggcaa gtgggtatca gaatttgaac aaggagttct 180
 atggaagagt ttataagagt ctgcaatctg ggactgggaa agcgagcagg tcacgggtaa 240
 agatgatgcc aataggaaca ccgagagtac cctacagaan ccgagaagaa tggacttggn 300
 aatgggttga tanatgnaaa tgccctttat cgagagcgtg tnntcttcan tggacaaaac 360
 nttgaatgaa gagtttagca ngcagnatnt naccaancat gttggtnctt tgatacgccg 420
 tgatgnactc 430

<210> 10448
 <211> 427
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-C2

<400> 10448

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 attttcccaa gttagtttct gttagtaact ctgggataag tttgaggatt cagaatagta 180
 aacctattag ccctgtcttt gctcttgaag caacttcctc caggagggtt gtttgcaaag 240
 ctgctgctgg tgtgtcaggt gacttacctg agagtactcc taagggaact taagtcaagt 300
 atggagaaga tattggagct ttgacaaaac ctttttttcc aacnttgggg ttaactttgg 360
 gggaacactt gttgggnatc ntcaaggcca tccttggggg tacaagggtt tggaacaga 420
 tntcttt 427

<210> 10449
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-C4

<400> 10449

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 cgcgaaattt ctctcaaac tcaatctact gttcctatct cgtgtaggcg tagtaggttt 180
 gacttcgttc ctggttgagg catttcgtcg aacgatttgc ctactgagaa aaagaagagc 240
 tttggggagt gggttgagtt tgtgggaaag gcggtttcga cggcgtttcc gatatgggtt 300
 tctctgggga tgcttgntgg gactgatgag gaccanagta ntttcaaag gggttacca 360
 aatttggncc attgtncgnc ttacnaatca nnaaggcctt gggaatggga atgacctttg 420
 nccccctg 427

<210> 10450
 <211> 450
 <212> DNA

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-E1

<400> 10452

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ttagagagat ggggtgtggt naagaagctc acaacgtgaa ggtgattggt tcaggagaag 120
ccacgatcgt gttaggtcac ggggttcggca cggaccagtc agtatggaaa cacttggttc 180
cacatctggt cgacgattac cgcgtcgtcc tctacgacaa catgggagcc ggtacgacca 240
accctgacta tttcgacttc gatcgttact caaatctcga angctactct ttcgatttga 300
ttgcaatctt ggnagatctc aagattgagt cttgtatctt tgttggccac tctggtttct 360
ggccaaggat tgggtgtcttg gcttctcctt aaccgctcct gatctcttcn cnanaantcg 420
tcatgatccc tgctctctcg agnataa 447
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<210> 10453

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-E4

<400> 10453

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atcacacttt ctacaacgag cttcgtgttg ccctgagga gcacccagtt ctactcacag 180
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ccggcaggna cgggaaaatt t 501
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<210> 10454

<211> 475

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-F1

<400> 10454

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 tgactcttgg accagctggt cgtgaaggag agcaagtctt tggagttggt cacgtctttg 120
 cttcattcaa cgacactttc attcacgtga ctgatttgctc tggacgggaa acacttggtc 180
 gcatcactgg tggaaatgaag gtgaaagccg acagagatga gtccctcacct tatgctgcta 240
 tgcttgccgc acaagatggt gctcagcgat gcaaggaact tggaaatcact gccatacatg 300
 tgaaactccg tgccactggt ggtaacaaga ccaagacccc tggacctggt gctcagctctg 360
 ctctaagagc ccttgcccgt tcttgggcat gaaaattggt ccncattgan ggatgttgac 420
 tcccaatccc caaccnnacn attacccgca gaaanggggt gggaanaaaag aggaa 475

<210> 10455
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H4

<400> 10455

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 nttatcctct ctctcatctc gtccgttggt gcataagtgc tatggatctc gcgtcgaatc 120
 ntgggtgggaa gatcgataaa tccgatgttc tcaccgncgt cgaaaagtat gagcaatatc 180
 atgtcttcca tggatggaaa cgangaagag agaaaagcca attataccga catgggttaat 240
 ang tactatg accttgctac tagctttttat gantacggat ggggagaatc cttccatttt 300
 gcacaaagat ggaaangana atcgcttcga gagagtatta agcgacacga gcactttctt 360
 gctcttcaag cttggnatcc aaccaggaca aaagggtactg ggatgtanga tgtgggaatt 420
 ggtggancgt tgagggaat tgcaagantc agc 453

<210> 10456
 <211> 407
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-F6

<400> 10456

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aaatgacgat gacacaccgg cgccggggaa tcagtttgcc caattcggag ctggatgttt 120

ctgggggtgtc gagctggcgt ttcagagagt cccaggggtg actcagaccg aggctggata 180

cacccaaggg accgtagaca atccttcata cggagatgtt tgttctggta ccacaggcca 240

ttcggaggtt gttanggttc aatatgatct taacgattgc acctatgagt ctctgctttg 300

atgtgttctg gtctaggcat gatccacca ctttgaaatc nccagcggaa atgnctggg 360

aancccaatt cagattcngg aantatacct tctacncacc ccgaacc 407

<210> 10457

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F1

<400> 10457

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gatcagtggg tgttacctga gaaaccctag atttcaattc ccaacacctt aattttgttc 120

gacaaacca agaagattcg atgggtaaga acgattttct aaccccaaag gcgattgcga 180

atcgaattaa agccaaagga cttcaaaagc ttcgatggta ttgtcagatg tgtcagaaac 240

aatgccgaga cgagaatggg ttcaagtgtc attgtatgag cgaatctcac cagaggcaga 300

tgcaagtttt tgggcagaat ccgactcgtg ttgtcgatgg ttactctgaa taattcgagc 360

agacgtttct cgatctgatg aggcggagcc accgtttctc tcgtatcgct gccactgttg 420

tctacaatga ngatatattaa cgataggaca tcatgttcac atgaattcga cng 473

<210> 10458

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-F10

<400> 10458.

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tttgttcaag acggtgacgg tcagatgctg cactgttctg aaccttttgt cggtgaccgt 180
gagcatgaga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn naaatctttt ggaggaaatg cgaagcggag ggcagaatat 300
aaacatgaac atgatgatga gccatcacgc ttcagctcac caccgaacg aagcatttgg 360
ttatggcgac tcgcaacgga aagatcagtg gatcatctac aagagatgcc tcggccacca 420
ccagccaata gacccccaag aagaagcgac aan 453

<210> 10459
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-F11

<400> 10459

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tggttattagc aaccatagag gattggggagg agtttctgtt acttcagatt gcttctataa 120
tgctggatgg acagatgata taagggtagt tcttgattat cttcaacaca aatacccgag 180
ggctcctctc tttgctattg gcactagcat tggagcaaat gttctggtaa aataccttgg 240
ggaagagggt gaaaagactc ctctgagagg tgctgttctc atctgctctc catgggacct 300
cttgattggt gacaggttta tctgtcggac ttgaaacaa aagctctatg acaaagctct 360
caccatcgga ctccaaggtt atgcccaatt gtatgtccac caagaactgc c 411

<210> 10460
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-F12

CGTTCGCTTCT

<400> 10460
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aaagtcagct tcatacctaa ctacttgggt ccaaaggagc ttcctatggg tgttcttggt 120
gagatggaga atgaagagat gacacaggct gttatctcta ctgtctcaca gttacctttc 180
atgggttgctg gtatgccaaag gcctgtgaga gcttgtgctg ctgagcctaa tatgtttggt 240
gataaaccga agaagcctgg tagaacggtc cgttttcgct ggattaagcc taacgaccc 300
gatttcgaca aggccaggag agtcaagcgg cttgctcgta agcatagtgc tgaaaattcg 360
ttcatgctca agcttgagga ngcagagaag ctgtcganac agcaagctga gacngcggta 420
acacatcaca agaagtttga g 441

<210> 10461
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-F2

<400> 10461
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caaangacaa actcaccgag taaacatacn caacctgtcg tgtaagtaaa aacaatttga 120
tagtgatctc tctatgtttg gtggaggaag agggcctatg ggtggcggcg gaggtatggt 180
acgcgccgcc ggctgtgaga tgacgangac cgggtgtancc aacggtggta ttcaagatnc 240
ctttgcttct tcatcatcat cgtccacgtc gtctccggct ggaaacgcct ctgtttcgca 300
tgtccanaaa canagatctt cttcttcngg gtcganataa tctgacgtat tccgcggctt 360
ctgggttggt gttgaatcct tccggtggct gcaantccg gatggagcca gcggcgggtcc 420
ttnttccctt tg 432

<210> 10462
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-F5

<400> 10462
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 aatggcttcg ttaggtttca acctcggtt caccttctcc aatgcacaaa ttcagcagca 120
 tcgaaaagtt tccggaggtg gaagagctcg cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcaaag 300
 ctgtgagtgg agataagctt ctcagaagca ttatgcagga taacaaaatt gaactctacg 360
 ctgcttacgg gaaagtgatg aactgtggtg gtggangaag ctgtggaact tgc 413

<210> 10463
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-G11

<400> 10463
 acgcgtccgc acaaacacca taaaaagttg ataaccacac ccattttata tccactttat 60
 ctcatcaaaa aacttccaat caccaccgtt ggattagtaa acaatggcgt catcactctc 120
 cgattgtttc atcgancgaa tattatcagg gatgtattaa atcttccgtg cgccttaccg 180
 catatganta aaccatttga ccacatnaga caaatgcaaa agaactaaaa agagtctggt 240
 ttctgtttctg tctaatttc tctctggcga aagctaagag gtttcggtta cggtcncat 300
 ctccgatnaa atcacnaagg tttctatcgg gaattttcag tgatncatac cgtcaggaga 360
 tttccttacg angagaattg tcgccgncat nctaaagcaa gagttttggg tgggaaa 417

<210> 10464
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-G2

<400> 10464
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ttattaggtt cagttccttt tcgattcttc gtgtggatcg ctgtcggtag atttccgatt 120
tcttttaggtt ctgctcgaaa tcgtgggtta gtgtttatta tcatcgattc agaaaacggt 180
gggtaaactt gtagcggaag atgaggcggt ggccgggtga tcaccggcgg cgaggtanaa 240
ggagattgtc gagttggata tggtttctcc ttggttcttt ctctgtcgct ggtttagtct 300
tcttcatcgt tcagcattat caccatcaac aagatccatc ccagctttta cttgagagag 360
acacganaac cgaaatggta tctcctcccc atttaaactt cacggaagag gtcacaagtg 420
cttcctcctt ctctaggg 438

<210> 10465
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-G3
<400> 10465

ntgtttacgc ttgcccgggtg ccggtccaaa attaacgggt cgacncacgc gtccgnccac 60
gcgtccgccc acgcgtccgg tcacggtcga cataaaaaaca tcttttccat ccaatattta 120
ccggtttcgt ttcaccggat ttgggtcttc cggcgacgga gaatagccac catctccgta 180
gaaaacagta tacttgatag ctgaggaaca agagaagtga caaggggtgat tgaaaagttg 240
aaggactcag atgggaagca gaagcggaga acaaggaaag cgaatggcgg aactgagcaa 300
aaatcttaaa gaaggtgaga ggattctgga gcccacacgt agacctgatg gtactctccg 360
gaaaccatt cggattcgac ctggatatac tccagaagat gaagttgtca aatatcagtc 420
caaaggttct ctgatgaaga aggagatggc ctcaacaggg cctccagggt atgaac 476

<210> 10466
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-G4
<400> 10466

cgcggtccggt taggcattat cagcctctg gcttgggcta aatgggtgcag gaggctgcct 60

cgatcatggc tattgtcgcc gttgagcttc ttcggatggg tcctgaagag atccttaatg 180
 tttggaattc actccagttt gacctagttc aggttctang ttcttccttc tttgtcatct 240
 tcatctccac tgtttacttc atgtccaagc cagcaccat ctacctcgtt gactattctt 300
 gttacaagcc acctgtcacg tgtcgtgtcc ctttcgcaac tttcatggaa cactctcgtt 360
 tgatcctcaa ggacaagcct anagancgtc gagttccaaa nggagaatcc tt 412

<210> 10469
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-047-Q1-E1-H12
 <400> 10469

atggctatct caaagcttat tcctactctt gtgctctttg ttttgttctc ttttgatggt 60
 agtgttgctc atccaggtct aggatttgga tggggaagta atagtcccat tggaggatct 120
 ttttactcaa atcttttacc acaattttac cagttctctt gtccacaagc tgatgagatt 180
 gttatgacgg tgctcgaaaa agccatagct aaagaaccaa gaatggcagc atctttactc 240
 agacttcact tccacgactg cttcgttcag ggctgtgatg catcaatctt gttggatgat 300
 agtgcaacca taagaagtga aaagaatgct ggaccaaaca agaactccgt tagagggttt 360
 caagtaatcg acgaagatca aagccaaact tgagcaagct tgtcctcaaa ctgtc 415

<210> 10470
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H3
 <400> 10470

aaaaaagtct tcttcttttt ttacaagtct gagaattttc tacagaaaca aaaatctgat 60
 tgtttttccc actttgcac tgttttgagg atgccagcta cggattttca aggatcattt 120
 ggaaggctcg tgctaagttt acggcgagac caagttgact catcaacagt cgtctccgga 180
 agtagtancc accacgagcc aagcaccatg gaggttgagc tanattcgtt tcaagagaca 240
 agtcgctgag aaattcatcg atctcaacgc ttcttcaaac gaccttctct ctctcgaatg 300

gatcggaaaag cttcttgatt ctttcctctg ttgtcaagaa gagtttcgag ctatcgtatt 360
caaccaccga tctcagatct ctaaattctcc gatggaccgt ttgatttcag attactt 417

<210> 10471
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-E9

<400> 10471

agtccanaaa ttcccgggtc naccacgcg tccgaaaaaa tcagatggac aggacatcga 60
tattaggaga tgccatagat tacatgaaag agcttttaga caaaatcaac aaattacaag 120
atgaggaaca agaacttggg aatagcaaca attcacatca ctctaagctc ttcggtgatc 180
tcaaggatct taatgcgaac gaacctctgg tcagaaactc accaaagttt gaaatagatc 240
gtagagacga ggatactcga gttgatatat gctgctcgcc aaaaccggga ttgctactat 300
ctactgtgaa tacattagag actctaggct tggagattga acaatgtggt ataagctgct 360
ttagtgattt ctctttgcag gcttcttggt ctgagggagc tgagcagana gatttcataa 420
catcaagaag atataaaaac aagcattant caag 454

<210> 10472
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-A2

<400> 10472

ttacttgcen ggcccgggtc anaaataaac gggtcgagcn cgcgtccgnt tctntctagc 60
tcacactcac aacactctct ctctcctgcc ataactcagc ctgagatgct tccggaagct 120
tacgtttctgt tctttaacag ttttaacctc gtaaccttcg aagcctttgc ttcagtctca 180
cttatcatag ccacagttgc tttcttgctc tcaccagggt ggctcgcatg ggctgggacc 240
gggtcatcca agagtcgggt ttcgattcca ggaccatctg gttctctttc cgtcttctcc 300
ggctccaatc cccaccgtgt tctcgccgct cttgctaaac gcttcaaggc ctctccggtg 360

<210> 10477
 <211> 354
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A8

 <400> 10477

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 gccgtattcg acggcgacat taccggcctt tgagtcggat aagaatctct tctctcacgg 120
 tccagatctc agagctattc aaagagctac tactgtcact aaacgtcgag ctaggaacct 180
 gaggttgact cgtcagcgaa gatccgggtcc ttctgggtggc agacgaagcc ggccggagac 240
 tcctttattg aaatggaagg tggaggatcg gaataaagag agaagcggcg ttgtagaaga 300
 cgacgattac gaggatgata atcaccaggt tgcgaggtca gagactactc gcan 354

<210> 10478
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-B12

 <400> 10478

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 cacttccttc ctcatccaaa aaagctcttc catttcaatg gcgacagcat cagctctctc 120
 atcactctct tcaactctac tccacacccg aacctcttct ctcatctcct cttcctccac 180
 aaaatccatc gtctctttct cctccttcct caaccgncgc ttctcatctc tcaactctct 240
 caaagcctca tcgaccgata ccganaccat cttcttcgan gacgaagcac caggaaataa 300
 ncgcaaagt cgtcttcgac ccancaattg ctcccgaagg attcgtctct cctccgtatt 360
 tcgacgaagg aagcgacgaa nacaagagga agagatcgct ancgcttttg aaggagctct 420
 atggacctgc gtanagttgg tgagagtatg cttgggaaaa gat 463

<210> 10479
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-B5

<400> 10479

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tcttctgaag ttttcttctg tagcacaaat acggcggcaa ttcaccggag aatctgttcg 120
tcgagacatc gaattcagag atttctgaga atttcccag attccttggg aacgtccccg 180
tgaaactggt gttgaagatt ttgaattcaa cgagattagg attcaaagct acgacatctg 240
gtaatcctcc ggtgaagaaa ttatcattga gattgaaaga gataagttgc agagcagcga 300
tcttttccgg tagttcaccg gttagattat tctgcgagac atcaaaattc ctcaattcgg 360
ttaaatttcc gatactctcc ggtaattttc canataaccg gtt 403

<210> 10480
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-B7

<400> 10480

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aattccttca cattctctcc ttttctctt ttttaattcct caccacctca aattcttcac 120
aaacaaatcc acttctgcat ggntgggana atctgttagg agaatttttg ttgttggtgg 180
gttcagattt ggaaaatttc ctttttttcg agtttcttct gaattattca tcgtggagat 240
tctcggatcg ggaagggntg cganagggtg ttttcacngc ggggatagat tcattctctg 300
tcttcnctg agggggtagc cganagctcg gntcggcgg tttttaaac cctacctta 360
caaattctgg gaaattagaa aaaaaaagggt ttgatttttc aatttttgct ccgttccgtc 420
ctctcngaaa agtt 434

<210> 10481
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

CCDS:10481.1

<223> Clone ID: LIB24-046-Q1-E1-B8

<400> 10481

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atctgacgac ttcgatccaa ccgcccgtagt caccgaaccg ttacctcttc cggtaactaa 180
tggaatcgga gctgataaag gaggaggagg aggagaaaga gagatggttc tcggtaggaa 240
tatacacaca acgtcactcg ctgtaacgga accggagggtt aacgatgaat tcaccggaga 300
taaanaagct tatatggcta ngtgttcttg ctcgttaccg ggaaactttg gttgaacgaa 360
ccaaaaacca tttaggttat ccttataact tgggatttcg actatgggtgc gcttgggtca 420
gttacaacat ttttcgatta agaaancgtg 450

<210> 10482

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-B9

<400> 10482

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gatcggcgaa aatgacaacc agattcaaga agaacaggaa gaanagaggt cacgtcagcg 120
ccggacatgg acgtatcggt aagcaccgta agcatcccgg aggtcgtggt aacncnggag 180
gtatgcntca ccacaggatc ctcttcnaca agtaccatcc aagttacttc ngtnaanttn 240
gtatgacgta tttccacaag ctgaggaaca anttcttctg cccaatcggt aacctcgaca 300
anctttggtc actcgtcctt gaatatgtna acgcgaaatc aaccantgac aatgttccgt 360
tgatccatgt gactcaacat ngttttcttca aagtttgggt aaaagtcatt tgctganaa 420
taanncggtc gttgttgaac gcgaaanctt attccaaaga ccg 463

<210> 10483

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-C10
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 ttcattgtca cctgaccatc agcccactgt gaaggatat gctagcctaa tcaaaccag 120
 atttgccaat acgatagtga ggcatttatg taagattgct cctctagaag atcttcgtca 180
 tgttaaaagg gtgaagaaga agattctgcc agattgcggt atcccattgt gaaactcagt 240
 tgactgtcat cttatgtcta gcacctgagc acaacgatca gttgagtgc atgccacctg 300
 atgtgcanan actcgttgat ccctatgagt tgagtccttt tattacacaa gtagtcaa 360
 atgtgcggt atccaaagaa gagtgggaag aacaaagtaa gatatggcct acttcatttc 420
 atccaccaac ctacaatata gatggcatcg g 451

<210> 10484
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-C2

<400> 10484
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 acacagtcca gcttggttcg aaccacaaga ccttgagcat gttggagggt ccattgaacg 120
 tgtgcttgat ttcactctag gatggcattt ggctccaaca acttatggag attatccaca 180
 atcgatgaag gatcgtgtcg gtcatagatt gccaaaattc acagaagctg agaagaagtt 240
 gctaaagggt tctacagatt acgtaggaat gaattactat acttcagtgt ttgcaaaaaga 300
 aattagccct gatcctaaga gtccgagttg gacnactgat tcncntgggt gattggggat 360
 aggcaagant tgtggaatgg atacaaaaat tggtaaccaa gc 402

<210> 10485
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-C3

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 ttcaacgatg gcgactgaga atctcaccga taagaatggt gttttcagaa agctgaaatc 120
 aaaatccgag aacaagggtt gctttgattg tagtgcgag aatccaanat gggcttctgt 180
 tccttatggg atcttcttat gcacgattg ttctgctggt catcgaagtc taggtgttca 240
 tatcagggtt cgtcagggtca acgaacttag actcgtggag tcctgagcag ctaagaacaa 300
 ngatgtttgg aggggaanant cgagctcang tgttttttan gcaacatgga tgggaatgat 360
 ggtggntaag attngaggnt aagttatact tcaagagctg cctgacnatg tatagaac 418

<210> 10488
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-F1
 <400> 10488

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 ctaaaacaag aaactgagga agagcgttca gagtggagaa agttgtgtac ctgtctcaag 180
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 agatgatgaa ncaagagaaa ttgaagaaaa aaatggaggt gacacgtgat caactggcgg 420
 atgcactata ccaggaaagg gttagccatg ggcgagaatc cagaatcctg aaagggttng 480
 aaaggaaggt 490

<210> 10489
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-F11
 <400> 10489

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ctaagcagat tactttggcg gagaccatc tgattggtat ttttgagat attccgttct 180
tggagtacca actggcctgg agctacattc cttagcctgg agtaaataat aggctgacct 240
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gcgttggtgt gtgtttggtc agnggtatna ataagtccaa ngcaggggtcc acgangcact 360
gnggattcat ccgactggaa taaattatgc agatggagaa cccatcctgt n 411

<210> 10490
<211> 457
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-F4
<400> 10490

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tcagttctat cccgaagctg gatgggtgga acacgatcca atggagatac tggaaagtgt 180
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cactggcctt cctctccaca aggctattgt ctggatggat gctcgtacca actccatctg 360
caggagacta gangaaagaa ctctcgggaa gaagatccaa tttgtggant ccttgcggct 420
ttccaataag caaaanactt cccggcaang aagcctg 457

<210> 10491
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-045-Q1-E1-F5
<400> 10491

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ggagctactt aaccatccgg ttttcatcgg ttactaaac cgatctgctc aagagtatgg 120

ctttatcctc caatggcgag gcggtggtct cgccgatcct gcctctgctt ctgttcggtc 240
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 tgtttcatct gtctccccc aaagtctcanca atcctcctcc gactgctcaa atctagctcg 360
 cagctcttct ccttcttttc cttactatgc tgattgggaa tttggtgttg anactagcnt 420
 aaagcccaaa gatatgtntc acgaac 446

<210> 10494
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-G3
 <400> 10494

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 gcgggaagct tgttcgcgat ttcaagcatc tcaacctcga tttccagctg atcaaggatc 180
 cagagactgg aaagaagaag ctttaagatcg attcgtggtt tggaacacgc aaaaccagcg 240
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 ttccggtaca agatgagggt cgtgtacgcc cattttccca tcaacgcctc catcngcgggt 360
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 gtt 423

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 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10495

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 ttggcccgag cctcgggatc atcaaagtcc ccgggatggg tcttatctac acagagctcg 180

ccagcgggtgt tcctgccaca ttttaagcact ttctaacaaa cttaccggcg ttctaccaag 240
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 accttatcgg ccggattgga ccaaaaacat acaggatgta ccgatgcatt atccgagctg 360
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 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10496

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 caccaacatg gttagcaatg aggtgcttcg cctagcaaac acgaccctt tggtgtttcg 180
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 ngttgcacct tcagcgggttc attttgatcc tgcaatctat gagaacccat ttgagtttaa 300
 tccatggaga tgggagggga aagaaatgat ttggggatct aaaacgttca tcngcntttg 360
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 cnaca 425

<210> 10497
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10497

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 tgtgtgcccc cactgatatg gtcaccgcca ttgctacacc ggtcgataac tccgacgtga 180

ttgtaacttc gtcgcgtgac aaatcaatca tcctctggaa actcaciaag gaagacaagt 240
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 tctcctccga tggacaattc gctctctccg gatcttggga cngtgagctt cgtctctggg 360
 atctcgctac cggagaatct actcgctggt tcgttggtca cacgaaaaat gttctctctg 420
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<210> 10498
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10498

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 ccttgaggag aagggttaggg agattgatgt tttgaagaga gaaattgaag gagttgtgaa 180
 agagaagatg gaggttgaga tgggtgagacg tgatcagagg gagatgattg tggngttgga 240
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 acgtggtcag gttgttgggt tggagaagag tcctgatgag gttacggagg aagcgaagc 360
 gagagctgag cagatcaatg aacttgtgaa agagaaaact gtttaaggga tctgaacctt 420
 gaaggggtta atgggtggag aaccaattcn atta 454

<210> 10499
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-H8
 <400> 10499

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 gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg aaggcgaagt 180

cacaaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa gcaaatactt 240
gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcagcag gaacagtcac 300
tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttcgattttg agttcttaag 360
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<210> 10500
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 10500

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anaccaagaa tttgaagccg ccacatgaat acgtaccatg ggtcacactc aanngcaagc 180
cactcgatga cagcgtacan agtacggatg atctcgtagc tcanatctgc antgcataca 240
aanggaaaga ctactctccc aaaagtttgc aattcatccc gcctcaaagt tctaaantcg 300
cctgagaagg aaatggaagc ttcaagtctc cttatgcca taaagctacc aattattaag 360
ttaactatca aacttcgtan tgaactaaga tggatttaag ctttaagtta taagtggaa 420
gatgaataaa ggcctgttc 439

<210> 10501
<211> 413
<212> DNA
<213> Arabidopsis thaliana
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<400> 10501

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cttatgcgaa gaagtcagggt gatgtgacag agttgcagat tgggtgttaag tanaagcctc 180
acgaaatgtg atctccaggc tcacaaaggg gataagatca aggttcacta tcgggggaaag 240

ttaactgatg gaactgtctt tgattcaagg ttttgagaga ggtgacccta ttgagtttga 300
 ngcttggAAC tggtcaagtc atcccaggat ggggaccagg gtttattggg agctngtnta 360
 ggtgagaaga gaaagttgan catccatcna agcttggtta tggtgatnag cgg 413

<210> 10502
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10502

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 gattttttgaa atctactgcc ggaaaggctg catgcgattt caactccctt ttcccgggac 180
 aattcgcaag cttgtgaaga agatcaagag gtgaactctg agtgatgagt gagccaaagg 240
 tcaggcgttg gggttgcaaa tatgagggtg gaagattgat cggatgaatgt aattttggga 300
 aactgcggag tgctgttgac acagagacag gagaccctgt ggctttgatg atccttgata 360
 aagacaaggt tctgaagcat aagatggctg aacaaataaa ggagagaaat ttcnattatg 420
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<210> 10503
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-045-Q1-E1-C11
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 tgatgaattg agttcaaagt ctcagcagcc aaatggaaaa aattatcttc atgtgcaccc 240
 tatgttctct cactccaatg ctacctcaca taaatgggct tttggagctg ttgcagaatt 300
 gcttgacaat gctgttgatg agatccaaaa tggggccact tttgtcattg tagataaaac 360

cacaaatcca agggatggtg caacagcttt gctaaattca agatgatggt gg 412

<210> 10504
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10504

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 tttccgacaa cagcaatatt gacgctgata cgccttatgc cgaagttgag gtcataga 180
 tgtgcatgcc acttctttca cctgcttcag gagttatcca ttttaaaatg tctgaaggac 240
 aagccatgca ggctgggtgaa cttatancca atcttgatct tgatgaccc tctgctgtaa 300
 gaaaggccga acccttccat ggaagtttcc caagattagg gcttccaact gcaatatccg 360
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<210> 10505
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10505

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 gtctgggcca ctgaggatga ttacagccgt gtctgggcca taaactctga tggcgagag 180
 tctccgagca agaagacacg atcttcctcc tctccgaga tcgggaaatc gttcttcaag 240
 acgaagcttt gcttcaaatt ccgcgccgga acttgccct actccgcgag ctcttgccac 300
 tttgctcaca gcgcggagga gctccgtctt cctccgccgc cgccgnccaa ttggnaggag 360
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gaa

423

<210> 10506
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10506

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gtctacaatg aagtgagaat ttctaaagat aaacaaagaa aaacttgaga ctttagcaag 180
atggagactg tgagaccaat ggttggtgct cctaagggtta acaaactcag acgcaagttt 240
gctaaagtgc ttaacattca taagctaacg ggtgttgctc cagaaggaga aatgaagaag 300
ataaagtgcg attccaaaac cgctaagttg tctgagtcgt tctacaagct tgaggaagag 360
tatgagagaa gtcagggatt ggaagctctt cttgcgaagc tttttgctac ggtttcttcg 420
atnaaagcgg cttatgcgc 439

<210> 10507
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D1

<400> 10507

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tccgtcgttt actctgttgt aaaaatgagt tctagggctg gtccaatgtc taaggaaaag 180
aacgttcagg gtggttatag gcctgangtt gaacagttgg ttcaaggttt ggcagggacg 240
agactggctt cttcacaaga tgatgganga gagtgggagg tcattttcaa gaanaacaag 300
aacaaccag gaaacacttc tggaaaaact tgggtttctc anaattcgna tcctcctaga 360
gcttgggggt ggtcagcaag caangggaga ngtaacaacg tatctgggag aggaaacaat 420

gtt

423

<210> 10510
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10510

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attggggagt gggctgcaga taagttacta ctagaaacaa agccagaaca cttaggtcac 180
tatatgttgc ttgcagatat gtatgcagta actgggttctt ggagcaagct tgtaacggtg 240
aagactttac tgagtgactt gggcgtgcaa aaggctcatg agtttgcttt gatggaaaca 300
gattcggagt tagatggaga gaataataag ccgatgaacg atgattctgt catcaatcag 360
gagcaaagtt cagatnaana acgtcctgta gaantaggat a 401

<210> 10511
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D8

<400> 10511

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aatgcataga cttaaagctt cctcgtgaac aagcctcttt ctgcactcaa gaatgtttca 180
aggcagcttg gagctcgac aaatcagtac atgtgaaagc tcagctgtct tcaatcgggtg 240
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taccaagcgt gttgtgcctg ctgagattga gaaacctgac tgggcaattg atgggactcc 420
caaagttgaa ccgnataggt ga 442

<210> 10512
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-E2

<400> 10512

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gttactgaag aaacatcaac aggagtcaat gagtttggtg tggaggatcg tgatggagta 300
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aactcaagcc ctanagtttt tgnacgatat taaagctgga ctcaagnan ggacatantc 420
aatnctgcct ctatgggaag ttggtngnga tagtttggtt ctctaactta acgtcctggc 480
aanccggcaa gttc 494
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<210> 10513
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-E3

<400> 10513

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attgatgctg ctaacctcgc tgtgaagaaa ctagaagacg atgtcagttc gaggataaaa 180
gatcttgctt taagggaaca agaaactgat gtgttgaaga aatccataga gacaaaagcg 240
cgtgagctac aagctctgca agagaaactg gaagccagag aaaagatggc agttcagcaa 300
ctagttgatg aacaccaagc taaattgggt tcaacacagc gtgagtttga gttggaaatg 360
gagcaagaaa agaaaatcct attgatgaca gccttgaaga gcaanggttg cagaagtggg 420
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aaaagaagga agctgaattg gaagcacctt ggaggg

456

<210> 10514

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E4

<400> 10514

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agggagaagc atgttagacc aaaccggaag accagatccg tgaaaccga attcgatccg 180

tgttgtttgc tcgacaggac ggctctatcg aaatcgattg ttgaatcgag tcttaagcat 240

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catttgagatc atttatacaa tgaagcgatt tcgaagcttg tgggttcttg ttatgatgag 420

gatgtggcgt tgagaactgt tcctagtaat gggtaatgtt aatggtnгаа tggatgttaa 480

gaacnaataa tcc 493

<210> 10515

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E5

<400> 10515

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aagactgagg ttgcgccgaa ccgctacaaa gtggcggtgg atgctgagga aggaagacgg 180

aggagagagg acaacatggt cgagatccgt aagagtaagc gtgaagaaag cttacagaag 240

aagcgtcgtg aaggccttca agctaatacag ctacctcaat tcgctccttc ttcggttcct 300

gcttcancaa ctgttgagaa gaagttggag agtttgcttg ctatgggttg gtggtgtttg 360

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<210> 10516
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-B3

<400> 10516

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aagaaggaag gaaatgcggc taggtatatg accangtcgc aagctcttaa acatcttcaa 180
gttaacttga atctattcag gagactatgt attgtcaaag gtatatttcc ccgagaacca 240
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aaagccaaac gccaaaaaaa acgaggagct tgcacgcctt ctgctcacc gccaacctac 420
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acttggang acc 493

<210> 10517
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-D8

<400> 10517

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acgatacaag acataattgt gtgtatcctt gcctttatgc ccacagggtg ggggatgctc 180
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accctagctc gtggatacga gatagtaatg ggactgttgc tggtcacgcc aagtggcggt 300
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gcagttctta ttggctgaga gcaacgatgg gtcacacctt gagtctgacg gagctaacgg 360
 cgtcgaagtgt aaccagaaag ttacaccgt tttcttgccg ttaatcgaag gatctttccc 420
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<210> 10520
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-E4
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<210> 10521
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-F3
 <400> 10521

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 ttcttcgacg gagaacaagg ttctgagtca gctggtgcca tacctgatgc tcatgaggag 180
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aagatgttga atatcacgat gtggagaata tgatggataa gcaagagaca catgatttgt 420
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<210> 10522
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-F7

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tgaagtatga taatgacgaa gatggggagg atagttatga ggatgatgag gaggaaagtg 300
gtggaggaat cgataatgat aagagtgggtg tgggtgaagga ggctgggtgat atgaatggag 360
aagaaggaag aaaccgcggc accacgcaaa angcaaccga gacgtgataa ttagaacang 420
attttaaagt agttttcgan gatgtgaaag aaaagttcaa atttattttt cngtttttgg 480
ggtttggggtt gna 493

<210> 10523
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-F8

<400> 10523
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agtacaggaa gcaattcagt gcattcttga atacaccgct tgggtggaagt tttgctacta 120

ttttcttctt ttggtttgct ctctctggat ggctgttccg agttataata atcgccactt 180
 gggttcttcc aattgctggc cctcttctca ttggtgcagt cgccaacaac ttttgtccat 240
 caagggagaa tgcccancat gtaangangc aatttataag gtacaagaac caaatcatca 300
 natgtnaagg atgttggAAC atantngtng caaccacaaa gnaattcct cccaaaagat 360
 gcaacaacna cnaccaacca ntattannac aaaagggaaa accctaaaaa ngc 413

<210> 10524
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-F9
 <400> 10524

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 ccctcttctt acagctgcac cgaaaatgac aagaatgcc tcttcaaatt caagaaagca 180
 cttggcaatc ctcccccttct atctctctgg aacccccgaa ccgactgttg taccggctgg 240
 accggcgctcg aatgcactaa ccgtcgcgtt accgggtctca gcgttacctc cggcgaagtc 300
 tccggtcaga tctcgtacca gatcggcgac ctggttgacc tccgtacact anatttcaag 360
 ctacctgcca cacctcacgg gaaacatccc acgcaccatc accaaactca agaacctcaa 420
 cactctctac ttgaagcaca ctagtctctc cggtcngatt cctggattac atcagcg 477

<210> 10525
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G11
 <400> 10525

attcccangt ccacccacgc cgtccgaaca aaagccaaac tgtttangtt tcgtcgtcga 60
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 aagcgcgtga cgttagatcg gagatctcac cgagatcgcc ggtgaattag ggtttctact 180

tcctttgttc ttgttaacgt tatatgaaag tttggaagtg atgctcaacc tgtngtaaata 240
acgggtccant nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
naattacctt gtactgtcaa actcagaatg tggtcgcatg acatcaaaga cccatatgca 360
caactgaaat ccganagatg tctattttaca ataccggcat gccgtccntt gcagtgaaat 420
gggaagctca ttattncgcc aaggtgggg 449

<210> 10526
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-G4

<400> 10526

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cattgtcgct aatgtctcta ttgctgctat gaacttcagt ctcatgctca attccgttgg 120
cttctaccaa atctcgaagc tgagcatgat tcctgtggta tgtgtaatgg aatggattct 180
acatagcaag agatactcaa gagaagtga aatatchnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnccaaa ggttttatct gtgcttgtgt 300
tgcgattttc tcgtcatcct tgcagcaa atttaataggt tctctacaga agaaatattc 360
aattgggtcc tttgagttgt tgagtaaaac agcgccgatt caagcttttt cgcttcctgg 420
ttgtccgtcc ctttagttga ttaacntcc ctaagtggga aattcaatta tgaaagttta 480
aaaaggcc 488

<210> 10527
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-043-Q1-E1-G5

<400> 10527

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tcggtggatc tccgattcac atggcggcgg ataatgctta tctgatgcag tttgttgacg 180
aaacctcttt ttacaaccga atcgttctga gtcattcttt gccggcgaat ctatgggaac 240
ccttacctca ttttctccag acatggctcc gaaattacct cgccggaacc ctactatact 300
tcatctccgg tttcctctgg tgcttctaca tctattacct taaaatcaac gtttaccttc 360
ccaaagatgc aattcctaca ataaaggcta tgcgtttgca aatgtttgtg gcaatgaagg 420
ctaagccaag gg 432

<210> 10528
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-G6
<400> 10528

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aaaatccac tgggattgaa acgcaanggg ctaanagtgg ntgtgaccgg tggngctgga 120
ttcgttggnt cncatctcgt ggatcntttg atggctanag gagatactgt gattgttgtt 180
gatantttct tcaactgnaag gaaagagaac gttatgcacc atttcagtaa ccctaacntt 240
gagatgatcc gtcacgatgt gggttgagccn attcttcttg aggttgatca gatctaccat 300
ttggcttgcc ctgcttctcc tgttcattac aaattcaatc ccgtcaagac natcaagacn 360
aatgtgggtg gaacattgaa catgcttggt ttggctaanc cg 402

<210> 10529
<211> 481
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-G8
<400> 10529

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agtttagacc tttgagatca cactatatca aaaatggagc tcaatttctc ttcaatggct 120
ataacacacc cnaaaatccc ttctttcggg ttacaccca ccggnatatt cctaaaccca 180

tcaaantcag tgtgtttggc ttcacatcat cggcttccga gagtttcatg ctctgtttct 240
 actactactg attctcccaa gctagtgact tcaacaaagg tgacggcaat ggntggngtg 300
 agctctanag acttgagat gtcgaattta acggcggttat cgcctttgga tggacgttat 360
 tggggtaaag ttaaggactt gggcttcttc tttgagcgag tttggattga tcnanttccg 420
 agtttttgtc gagatnaaat ggcttcctaa ggttccaatn atccnggagg tcccgaagtt 480
 c 481

<210> 10530
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-D7

<400> 10530
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 ctccaattct ccaaggagtt tggtaatata caaataacat ggaagacgtt agaagaagaa 120
 acagaggaca tcctctgctc agatccaaga agagaggaga aggctacaac catggcttct 180
 caccgtctca gattcaatct cttgccgtca tctgtcaaac tttcctccct ccggagacca 240
 cgtcggaaca gcaagctgtt aattccttcc acgtagcctc ctctactcaa ccaccattca 300
 ctgatgaggt ggcggagatg atagtgaata acggacgatc agaagcagtc aaagttttga 360
 gaatcatatt gatgattttg tcattcagat ttgggaactt tggtgccttg tgggtccnc 420
 cgtc 424

<210> 10531
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-G7

<400> 10531
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nnnnnnnnnn nnnnnnnngc cggcaaaatc tctccaacat ttcattccttc gaattgagag 180
 agttgcaagt cataattacn tgtttgagcc gctattatca tcatctgcat gataaatggt 240
 taaatggana agtggatata tgttgctaga atgattgatg tctgttgngt aagaattgga 300
 tacaattacc gaatggaagg ctcatagaag tnacaagaaa ctaatcagtc ttctttccaa 360
 nctanactaa angatggatt acaataacan ac 392

<210> 10532
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-H11
 <400> 10532

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 gagagaatgg atcgaatggt tgcttatggt ccaacgtttt gcgatatcac ttggggagct 180
 agtggatcta ccgcagatct aacgcttgat atagcttcga ggatgcaaaa cgttgtttgt 240
 gttgagagta tgatgcatct tacgtgtach aacatgcctg ttgagaaaga ttgatcatgc 300
 tcttgagact attagatcta atgggantca gaatgtgctt gctcttagag gtgacccctc 360
 tcatgggtca agataagttt gttcangttg aagggtggtt tgaatgtgcc ttggatcnt 419

<210> 10533
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-H2
 <400> 10533

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 ctaagattta ctgattttga agtggagaag aaattagttg tctcgacaaa cccactaga 120
 aactttgttt agtgtgtctt cttaaagcct gcaagatgca gagaccacct cctgaagatt 180
 tctccttgaa ggagacgaga cctcatctag gtggaggaaa actctctgga gataagctta 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngac aaaatgggac atttctcttc 300
catgttcaac ggtatagcta gatccttctc ggatnaagaa aagcgaagaa catcaacaag 360
caggcaaaaa gctacgctaa aggaagccac agatgaanat ggcgaagaga gggngaagga 420
aagaaggac ttattttgag atnc 444

<210> 10536
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B1
<400> 10536

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aaattttctt cctgcctgag atttttagtt cagcannaga cttttgatga atggtttcaa 120
atttctggtg agaatgacca gcaagaagtt gtgcancaac tgcacaaggt tcttcgncca 180
tttcttcttc gaagactaaa gtcagatggt ganaaaaggt tgccaccgaa gaaggagacc 240
atacttaaag ttggnatgtc tcagatgcag aagcaatact acaangcttt actgcanaan 300
gatcttgaag cggttaatgc tgggtgganaa cgcanacgtc tgctaaacat tgcaatgcaa 360
ctgcgtaaag gctgcaatca cccctatctc ttccagggtg cagaacctgg tcccccatat 420
accacaggag ntcaccttan nncaaatgcn ggtaagatgg ttctctctgg g 471

<210> 10537
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B10
<400> 10537

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gtctttcttc atcaggacca aaaacaaacc ctaatttctc agctcgattt ctctcttact 120
ccattttctca atccttcaca aaatgcacca acttccattt ccgagatcgt aaaaaagctt 180
gtggtacttt ctgataatag agagggaaaa aacgagagag agagaaaaca caaatgctg 240

gaagctccgg tgaacaagtc aagcatcctc aatggaggag gaggaggatt ctctcagcta 300
cagagttgct tcggcgattg cagtagcgaa gaagaattgt cagtgttgcc acgtcatacc 360
aaagttgtcg ttactggaaa caaccgtacc aaatctgttc tcgtcgggtct tcaaggcgtc 420
gttaagaaaag ccgtcggact cgggtggttg cattgggctg ggttttgact aatgga 476

<210> 10538
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B8
<400> 10538

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tcttcttctt cttcaaaatc tcttgtnccg aaataatcca tgagaaacta gggtttaact 120
tgagatctct cttccgaagt attaccatca atggcgactt cttcttcttc atcgctcgtct 180
ctgcttttac caaacatcaa tttcaactca agacaatctc caacaatcac tcgttccggt 240
tcaatcgccg ggatcttctt acccagaaac cgattaagct acaatcacia tctccggtatt 300
cgtacgagat taatcagagc ttctaaagac gataatgtcg ctgttgaaga tcgtgataat 360
gcagtgaaga tcaacggtga ttacaacgga agtgcacgtt taaacggtaa cggctctgcg 420
agaaaatccg tcaacggaga ttttaacgga agtgctcgtt tgaacggtaa agggtagttt 480
ggn 483

<210> 10539
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-C10
<400> 10539

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gaagaaaata actacaatga gtcaacaacc tctgctggt ggtgttctc cttctcatgc 120
ttatccggcg gaaggaccac ccaaggacgc ttatccacct ccgggacaac cctatcctca 180

gcaaggatat cctcctccgc agggatatcc tcaacaaggt tctcctcctc aagggttatcc 240
 tccgcagggg taccctgaac aaggatatcc tcaacaaggt taccacctc agcaacaaca 300
 gcaacagaaa cacagtcctg gtatgcttga angatgtatt gctgctctgt gctgttactg 360
 tgtcttggac gcttgcttct gantngaagt ctccgcttga agctgcaaga attggcttat 420
 accgatgac tcattctcat tctctttcgt ttc 453

<210> 10540
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C11
 <400> 10540

accgncccaa aaattcccaa agtccacca gggcntccga tggacagnta tgaagaaaag 60
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 agagaggatg agaaaacgca atgatcagag gatatatctg cagctatacg aagcaatgga 180
 agcacttggt catatatgca gagatggntg taaaacaata nggccacacg ataaagattt 240
 caaacggaac catgcaacgt gtaactatga agcttgcaag ggattagaat cactgatccg 300
 gcatttcgca ngctgtaagc taagagttcc aaggaggttg cgtgcattgc aagagaatgt 360
 ggnaactccn tgaactgcat tcacgtgttt gcgcangttc tgatcaatgt ccaagtcctt 420
 ctatggcaga aaccttaaag gagnaagatg ga 452

<210> 10541
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C12
 <400> 10541

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 aaccgcnatt gaagaccttt tcatgcctga ccgtgtcctc atcgggtggnc gtgaaacaac 120
 tgaaggcttt gcanccgtca aagccttgaa anacatttan gcccaagtgg gtccctgaag 180

agagaatcct caccaccaat ctatggtctg ccgagctttc caagcttgca gctaatagcct 240
 tcctagccca nagaatctca tcagtcaatg caatgtccgc tctctgtgag gcanctggng 300
 ccaatgtctc anaggtctct tatgctgtgg gcanagactc tcggtattgg tcccaagttc 360
 ttgaactcta gtgttgggtt cggaggatct tgtttcnaga aaagatattc tcaacttagt 420
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<210> 10542
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C5
 <400> 10542

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 gaanatcgag agatctctgc cgtcagcacc gacggaggcc aagcgcttct tancgagggt 180
 gctgctcaag tctcggtact aaactctgcc ttctcttggc aagagtccga tcgcgctgct 240
 gccaaagcgag ccaactcaagt tctggctgag ctagccaaaa acgaggattt agtgaacgtg 300
 attgtcgacg gaggtgctgt tccagctctt atgacgcac tacaggcncc accatacaac 360
 gacgggngac ttggctgaga ntcccgtagc aaacacgaaa gttgaaaaag ggaagcngct 420
 tttgcgcttg ggtcct 436

<210> 10543
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C8
 <400> 10543

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 ttcgtgatgg agaaaaacac accggtgagg aaaccacaca tgtcgacggc ggatctactc 180

661730"11636660

acttgccgg agaatcaacc gtttgagtct cccgccgccg tatcttctcg ctccgccgcc 240
agatcgcacc agccgtcgga tggaataagc aaagtcgtat ttggaggaca agttacagat 300
gaagaagttg agagcttgaa caagaggaag ccttggtcaa attacaagat gaaagagatc 360
acagggagtg gaatattctc tgtgtatgaa gaaaatgatg attctgagtt agcaagtgtc 420
aattcccgcn acaaaa 435

<210> 10544
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-C9

<400> 10544

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ccccataggg gtgcacttaa tgttttgggt aatgttgta gaaaacctct acgccaata 180
ttcagcgagt ttagcgttg tactaggcca gtagatgaag ttgggcttta caccggaaca 240
ggtgatgtga aataccactt gggtagatct tatgatgct caactagagg aggcaaaca 300
ctccacttgt ctttggtagc aaatcccagt cacttggaag cagtagatcc tgttgatgata 360
ggtaaaacca gagcgaaaca atattacacn aaagacgaga acaagaacaa agaacatggg 420
tattttgatc catggggatg gtagctttgc cggacaagga gtgg 464

<210> 10545
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-G5

<400> 10545

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aggcgcaa atcggtcggtc gggacttagc tcttcgatc aatttgcttt gggtacttct 120
tatgcttttg tttaaacatt ctgtccgcta ctgaaaact ctgtttcaac cctctcnaat 180

catttctcct tcaccggttt tcaacggcgg ccaaaaaacc agctacggag gaagacgatg 240
 tgggtccggcg tttgccctcc tgttccaccc tcttctcgca aattcttcgc caaaatcttt 300
 cttttccagc gatgcaatcc ctcaatcaga agctttttatc atctctccgc cttttattta 360
 cagatctaga ttcggtttca agcaccoccaa gagaatactc acaccggg 408

<210> 10546
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-042-Q1-E1-E12
 <400> 10546

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 tgcattgcca aagatgctgc ttatcaagtg atcaatgatg agttgatgct tgatggtaat 180
 cccaggctta acctagcctc ctttgtcacc acttggatgg aacctgagtg tgacaaactc 240
 atcatggatt ctgtcaataa gaactatggt gatatggatg aatatcctgt caccactgag 300
 ctccagaacc ggtgtgtaaa tatgatagca aacttgttcc atgctcccgt tggagaagac 360
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<210> 10547
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-E2
 <400> 10547

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 agcggatgct taccagaacg caaggccgag atatccgacg gattgggttca cgaaacttgc 180
 tgctcgaacc ggtcagcaca aatcancttg ggatgttggg actggcaacg gtcaancagc 240
 tattggtctt gcagagtatt tcgagaaagt tacagcance gacataaacg aagcacagtt 300
 aaaacgaacg gtaaaacacg aaagaatcag ttaccatcac actcccacaa cantgtccga 360

agaccaaattg gttgctctaa gtcggcggag ataactccgt tgatctaatac cgtggcagca 420
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<210> 10548
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-042-Q1-E1-E5
<400> 10548

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tgcaagaacc ttttcaaatac tttgcctctt atttgggtca tcaatgaaga aactcttgct 120
gttcggtcta gacagtacaa ctcaacaggg cagactgaac tcctcactga ctggaaaaag 180
attttcagcc gggcatcggg tgtagtcttc cataattatc tccttccgat actctacacc 240
gagtttgatg ctggcaactt ctatgtgatt cccggatctc ctgaagaagt atgtaaagca 300
aagaatctag agtttctctc acagaaagat gatgtgggtca tttccattgt gggaagtcag 360
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<210> 10549
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-E8
<400> 10549

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ccggtggaat tggtcagcct cttgctctcc tcatgaagct taatcctctt gtctcttccc 240
tctccctcta cgatatcgtt aacactcctg gagttgctgc tgatgttggt cacatcaaca 300
ccaagatctg aggttggttg ggatacatgg ggcatgata aacttgggcc aaaaagctct 360
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<210> 10550
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 <212> DNA
 <213> Arabidopsis thaliana

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 <223> Clone ID: LIB24-042-Q1-E1-E9

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ttggttatga tgaatctgaa gatgactata aagtgggtgc gttgttgcaa caaagacacc  180
aagtgaagat agagacaaag atctactcaa cgagacaaaa gctatggaga agcaacacaa  240
gtttcccatc tggagttggt gttgctgaca aatcaagatc cggaatctac atcaacggga  300
cactaaactg ggcagccact tcctcatcat cgtcatggac gatcatatcg tatgatatgt  360
cacgcgatga gttcaaggag cttccagggc cagtttgttg tggcagagga tgttttacia  420
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a                                                                    481
  
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<210> 10551
 <211> 419
 <212> DNA
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 <223> unsure at all n locations
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 <400> 10551

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agtgactgag gatcagatcc agagggattt atccatgaac aagttcgact gggaccatcc  180
tctacatttg cagccaatga gcccaacaac agtgaaacaa gtgaccgtta cttgggacgc  240
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gaaccttgat ttccagaaga tctttgacaa catgcagaaa ccagctttcg tgttcgatgg  360
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<210> 10552
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F11

 <400> 10552

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cgcaagtgaa aatatgtcgg tcacagcggg agtgagtgaa tctgcaattg ctgtaaggga  180
gaaactaaaa ggtggtattg gacagactaa agtgcaaggg tattggccag gaaaagctcc  240
ggagtgggct gaggaagctg aagaagatga tgatgtagg atgcagaagg tttctgtttt  300
ggatagagct tttccaaaga atgatgattt ggggtgttgct aaggaangat gatccaaggc  360
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<210> 10553
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10553

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cacgcaccat ctacctcgtt gactantctt gttacaagcc acctgtcacg tgtcgtgtcc  180
ccttcgcaac tttcatggaa cactctcgtt tgatcctcaa ggacaagcct aagagcgtcg  240
agttccaaat gagaatcctt gaacgttctg gcctcgggtga ggagacttgt ctccctccgg  300
ctattcatta tatttctccc acaccaacca tggacgcggc tagaagcgag gctcagatgg  360
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10554

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 agattgcaaa tcgttgataa aaaagcttgc ttctgtgaag caatcaatcc gcgacagatc 180
 cttgcgaact gttcttcgta cttggctccc agaacaaact gaaatctccg atgaagatat 240
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 atcaagaact tattgatcgt ctctcttctg ctcttcaatc acttctctt cctttgtcta 360
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<210> 10555
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10555

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 nnnnnnnnnn nnnnaaagct tccagaaagc aagtagagat agtgtttgat cctgatgaga 180
 ggcttaataa gataggtgat gatgttgaca aagaagctcc ttgtgtccagg cttaagctct 240
 tctcaccttg caagatcaat gttttcttga ggatcaccg aaagcgagaa gatgggtttc 300
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<210> 10556
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 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB24-042-Q1-E1-F6
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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ggagaatcat ttcattgata gaacaaaagg aggagtctcg cgggtaacga tgaccacgtt 360
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<210> 10558
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-G11

1. The first part of the document is a list of references. The references are listed in two columns. The first column contains references 1 through 10, and the second column contains references 11 through 20. The references are as follows:

1. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	11. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
2. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	12. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
3. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	13. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
4. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	14. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
5. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	15. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
6. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	16. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
7. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	17. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
8. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	18. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
9. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	19. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.
10. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.	20. J. H. Van Veen, "Acoustic beamforming," <i>IEEE J. Oceanic Technol.</i> , vol. 1, no. 2, pp. 76-94, 1984.

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<210>      10559
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<213>      Arabidopsis thaliana

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<223>      Clone ID: LIB24-042-Q1-E1-G12
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<212>      DNA
<213>      Arabidopsis thaliana

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 aggctcatat ctgccgtgat ggagtattat actggctcag atggcagggg aacagttgac 300
 gatattagcc cgcgactacg tgaagggttg ccaagttact tcaaggagtc tgattacaaa 360
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 ccggagccgg agccggagga ggtggaaccg gagattccaa aggcaatgct tttcttgtgc 240
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 aagacaagaa gatcgaagag aaacgggaga agggaaatcga acttgagttc caccagata 360
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 <223> Clone ID: LIB24-039-Q1-E1-G3
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gacgcgccgc cgaaacaggt ggctcaggcc atggaacgac tcaatcaagc ggntatgggt 240
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cctcgtcaca cagacatgcc tcttcagctc tttctcanag aagacgcctc catgcgtcaa 360
catcttcagg atcttcgctt aatacggaag aaattggaaa gaatctggga gtgttaactg 420
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-G5

<400> 10563

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actacaagaa agttaaagaa agcaacaaga aacgtctca agatgctaag acttgtcctt 360
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na 422

<210> 10564
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-G6

<400> 10564

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ttgatcaagt tcagcaccce acnattgcgc agaaagctgc cgggcagttc atgcgttcaa 180

gccttgattg caccgtacat aggaacttct tcggtagcca gattcaaagt tttgaagctg 480
atata 485

<210> 10567
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<213> Arabidopsis thaliana

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<213> Arabidopsis thaliana

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 <211> 410
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-040-Q1-E1-H11

 <400> 10575

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 <223> unsure at all n locations
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 <400> 10576

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 tatcttcaaa ttengagatc cattcactaa gaccagaatc tggctaagna acttggcccc 360
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 <211> 465
 <212> DNA
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 <223> unsure at all n locations
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<212> DNA
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 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-D2

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 <213> Arabidopsis thaliana
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 <213> Arabidopsis thaliana

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 tgaagatgag gatggtcggc gttctaancg ngtcgagatc gcatcacngt tcacgttcta 360
 cgggacagan agagggatag gcatngaagt agcaggggagc acagana 407

<210> 10584
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-E3

 <400> 10584

 gtagcctcca naatccaagg tcnaccacag cgtccganca cgcgtccggg ccatttcagt 60
 ccaattacat cgtccctaaa accaccgtca cgccaccggc gattcctaca ccacaatttg 120
 tcccccaaaa cacccttcca atcttctctt atcaaattcg gcgccgaaaa ctccgaacct 180
 caacctccac ggccgttgcc ggaaactgat tgtcccgctc cgccggagca gcagccaatc 240
 aacgagtatc aatctctctc cacctctttc cttttctctt gggcttcagg agatctaadc 300
 gagtactcta ccagactttt cttaaccggc gttcttttcg catttttcgt cgggttaccc 360
 gtttctggt tcggatccat cggaccgcaa tatgaacctg ttaagaggat tctcgccgcc 420
 aagctctann cgggatcttc gttgtcacgc cttgctgtcg taan 464

<210> 10585
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-E5

 <400> 10585

 attccccgggt cnaccacgc gtcggttga gattgagaaa gcagcaaggg aagttcttga 60
 tgtacttggt ttactcacta cactgagcta tgccgagatt ttgaaagaaa tgaaactaaa 120
 aacactaata agagcagaaa ttggagaaga aggtatttcg cagttaatag aagaaaggat 180
 aacagccagg aagaataaag atttcgcgaa aagtgatgag attagagaga aactgacaag 240
 aaaaggaata gcgttaatgg acattggcaa agaaactgta tggagaccat gcttccttc 300
 tcaggctgat tccagcact tgagcttaga gcagagtcac ggagatagtt aacggtttct 360
 tcattttctct aactcttctt ctttagcctt ttgtttgagg ctctttcttt ataactccgt 420
 ttttgaatt gtgcaatgac ttcaaaat 448

<210> 10586
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-E6

<400> 10586

 acgcgtccgc aaatattatt caagtgccga gtcaaaatta gtgttgagaa tttgctgctt 60
 ctgatcagtg agtgaagaaa gtttgaagct ttgagtaact ttgaaacaat ggaggatattt 120
 ggaaaatctc atgtggttgt tggctctgct aatgttattt acttatctgc tatattgggt 180
 cacgaaggac ccaatcacia atgtgattgg aaatgcgaga atgagaatgt gtgtgggaat 240
 atgtaccgtt gcaaactaac tgggttgact catgtttgtg acaagaactg caaccaaaagg 300
 attttgtatg ataatcataa ctctttgtgt cgagctagtg ggtcggattt tcccgtttc 360
 tttggttgag gaacacgcgg ttaaangagt gaggaggaag cttgatgatg agagtcaaca 420
 ancaaccttc tg 432

<210> 10587
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-E7

<400> 10587

attccccgggt cnaccacgc gtccgnaaaa tatgagcgaa gaactaagtc aaaagccatc 60
atcagctcag tctctgtcac tgagagaggg cagaaatagg tttccttttc tgccctgtc 120
acagagagag ggcagatttt ttcctttctc atctctttca gagagagatg gaagaaagtt 180
ttcttttttc agtatgttct cttttctcat gccactgttg gaggttatta agattattat 240
tgcttctgtg gcctccgtaa tcttcgtcgg tttcgctgt gtaaccctcg ctggttctgc 300
cgcaagcatt agtcgtaagc accccggttt tcatcatatt tagtcctgtt ctcgtagcag 360
ctacgatagc cacggttggtc ttggcgacag gattcacggc cgggtggctct tttggagcga 420
cagcacttgg tctcatcaag gtgggct 447

<210> 10588
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-F10

<400> 10588

agatgcgtcg atcactatgt gcagtaataa gttaattgat tggaaaatta agtacgagaa 60
tactgttagt gagcaaaaag ctgttacaga gaagatagcg gcaatggagg anaagttaaa 120
gcaagcttca nccacagnag atggcttgag agctgagttc tcccgtgttt tggatgaaan 180
ggagaagnta atcacagaga nagctgcaaa gcttgcgact ttggagcagc aattggcctc 240
tacgcgtgcg gaattaaang aaaantgcgt tgaaggtgga ccaatgttcn tcanaagcan 300
aagacgtgag gcttcaaagt tcgctcctga atgagaanta tgaatctgtg aaatccgcat 360
ctgagttact tgaaactgag acaggagacg ttaaagccga agaggaanga tgattgg 417

<210> 10589
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F2

<400> 10589

gtctcgtacg cctccanaat tccaagggtcc acccacgcgt ccgcacacgc gtccgctttc 60
atctctcaac atccanaact ctccatcact gcttctcctc cattgttcca tacccaaaca 120
accaaaccga tctctgtaaa acggaaaatc ataactctag cagctccaga gacactcacc 180
gctgaaacag tcaccggaat tgatacttcc gacaacactc cacaacaaac aataaagggtg 240
gtgaagccag atgagaaatc aagagtggta ctcaagtttg tgtggatgga gaagaacata 300
ggattaggat tggaccaaca tgtacctgga catggcacia tcccacttag tccttacttc 360
ttctggccta ngaaagatgc ttgggaagag cttaagtcta ctcttgaagc taaaccatgg 420
atctctcaga aagaagatga tcattcctct aaaccaagcc actgatatca tca 473

<210> 10590

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F4

<400> 10590

gggaactggt tagcctgctc gtacgcctcc anaaattcca aggtcnacc accgccgtccg 60
nagattctct ctgcgtttct tagatcgagc gagcgaagcg agagatcatg gaangtggag 120
ctgctctcta caatcctcga actgtcgaag aagttttcan ggatttcaaa ggtcgtcgta 180
ctgccattgt caaagctctc accaccgatg ttcaagagtt ttaccaacaa tgtgaccctg 240
agaaggagaa tctttgcttg tatgggttac cgaatgaaga atgggaagtg aatttaccag 300
ctgaagaagt gcctcctgag ttaccagagc cagctcttgg tattaacttt gctagggatg 360
ggctctctga aaaggaatgg ctttcgcttg ttgctattca cangtgacgc ttggttactg 420
tctgtctccg ttttactttg ggctcaaggt tttctttcca caaggaaaga gatgaaacgt 480
ttgttcaaca 490

<210> 10591

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-F8

<400> 10591

gtaacggtcc anagttcccg ggtcnaccca cncgtccgag aaaccagttt tcgcttcatt 60
 cgcggtgacta cgtttctcaa acgcactaat tactacgaca agttgtcttc caagaaatat 120
 gcaatcagag tttcttgaat tgcgtcaacg gattaaggaa tcgattagga cgaagatgca 180
 aagcggagat actattattg ctccaacctc acagacacag ttacatcaga gcaaaagtaa 240
 tcttccgtac gactttgggt ccttttttgg tcctttctcag actgttattg cttcaagagt 300
 cttacaagan agcaagcctc ttttagaaaa cgagacatca gcagctaaaa tgttaaactc 360
 tattcaaaac angaaaagtt ctgttccaat gaatgatgct tcanggacta agaatgccga 420
 atgaggtcaa acgaaangct gaaaaaactt aagggatgga aga 463

<210> 10592
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-C10

<400> 10592

acgcgtccgc ttgatcacta tatcttgaag gaattaagaa gatgaatggt gaggcacggt 60
 caagagtagt cgaccaagaa gctgggtcaa ctccatctac tttgagagat gaagatcatc 120
 cctcgagaca aaggcttttc ggatgtctcc cttatgatat agatctcaat ccctangca 180
 ttgtaatggc ggaattgggtg gggacattca ttctaattgt cagtgtgtgt ggggtcataa 240
 gcagtaccca attatccggn ggccacgtgg gattgctaga gtangcccgt caccnctgga 300
 ttatctgtgg tgggcgtngt ttactcaatc ggannnatct ctggngcnca tcttaancct 360
 tccancanna ttgcnttcgc cgtccttttg cgggattcnc gtggg 405

<210> 10593
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G10

<400> 10593

attcaanggg tccacgcacg cgcccggtga ganggatcta ccaaacgaag caacaatggt 60
gaagttcttg aagcagaaca aggcctgat ccttcttcaa ggacgttacg ccggaaagaa 120
agccgtcatc atcaaactct tcgacgacgg taaccgtgat cgtccttacg gacactgcct 180
cgtcgccgga ctcaagaagt acccgagcaa agtcatccgc aaagactcag ctaagaagac 240
agctaagaaa tctaggggta agtgtttcat caagcttggtt aattaccagc atctgatgcc 300
tactcgttac aactcgacg tggatctcaa ggaagtggcg actcttgatg ctcttcagaa 360
gtaagggata agaaggttgc tgctcctaan gaagctaagg ctaagcntga ggaanaggtt 420
tcnaaaaccg gtnaagaaca gattggttct t 451

<210> 10594

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G2

<400> 10594

atctgnccgg gaccgcgtca aacananccg gtcnngccac gcgtccgcaa ggagatcatt 60
ttttttatta tctcattcaa atcttgcaca tgcatttta ttatagtact aggtataata 120
taaatatgga aatttggtgt anacatatta aatgcgtgag tcagtgttga agaatacgca 180
tacatattgt aatttttgtt tttgagaaca aaccagagta ttcgcttcat anttctgttt 240
ttcgaggtga ccaaattttt tttcattatc taattaaaaan cntgcacata ttgacatgca 300
tatgcatata tagtactcct ttgacaaaaa atgagtacaa tctctttatt tgnntttaaat 360
ttgtaaagtg gtgaattgtg atcctgctat atacacagaa tttatttttg antnaaatag 420
aggagaataa ncatatttgc gtgtanaaat acatta 456

<210> 10595

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G6

<400> 10595

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atcaagtgat cagactggaa attcatcagg atgggacatt ctcagggtcaa tttctaaggc 120
aactagttat catgtttcaa ctctaattt tgagagaatc tgggtgggaca aagggtgtga 180
tcttcgaaga cctgtctcaa tatggaggcc tgttccacgt cctgggttttg caatattggg 240
tgatagcata actgaaggat tggagccacc ttgactggg aatactcttc aaagcagatg 300
actctgagat tgctgcaaaa cctgtacagt tcaataaagt cgcacatatt gtggggaaag 360
gtttcgatga agttttctgc tggtttctctg ttgcacctcc tggttatgtt tcnctagga 420
tgtgttctcc tccaaatttn gaatgaaagc gcctca 456

<210> 10596

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G7

<400> 10596

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ttccgttcct gggatcaggt tanctgggtgt taccaatagc gtgcattctt atggatattc 120
tcactaggaa gtggacaagg cttaaaccgg ctgggtgagcc tccgtctcct agggctgctc 180
acgccgcacc tgcanttggc accatggctn gtttttcagg gtggcattgg accggcgggg 240
cattctactg atgatcttta cgttcttgac atgactaatg ataagttcaa gtggcacagg 300
gtggtgggtc aaggggatgg tcnaggccct cgctatggcc atgttatgga tttagtttct 360
canaggtatc ttgttacagt cacccgaaa tgatgggaan cganctcttt ctgacgcctt 420
gggcactggg ttacagctca a 441

<210> 10597

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H6

<400> 10597

gctctcaaga taattttgtt ctctcaattt cattcttaaa ccctagttct tcgatttttt 60
ccgatctacg acaatggcgg acgctgaaac ctttgctttc caagctgaga tcaaccagtt 120
gcnttccttc atcatcaana ccttttactc taacaaggag atcttctctc gtgaactcat 180
cagtaactct tctgangctt tggacaagat tagattcnag tccttgacgg acaagagcaa 240
gctcgatggt cancctgagc tcntcattca catcattccc gacaaagact aacaacacct 300
tgaccattat tgantagtgg tattggnatg accaaangct gatttgggtc aacanccttg 360
ggnaacaattt gcaangattc tggganncca acngaagtca atgggaagca cngggctgct 420
ggaagccgga tgtnaacca 439

<210> 10598

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H9

<400> 10598

gtgccggtcc anaattaacg ggnccacgca cgcgtccgga ctaantgaac acagctgcaa 60
agatcaacta tttacatgga ggaaacctaa cgacaaggga gaatttgagg aggttgagat 120
cacagtgtc aattactata aagagcgtaa cattgaagtg cgttattcag gtgacttccc 180
ttgcatcaat gttggtaagc cgaagcgtcc cacttacttc ccattgagt tctgtaatct 240
tgtgtctcta cagcgataca caaaatcgct taccaatttt cagagggctg ccctanttga 300
aaagtctagg cagaagccac ctgaaaggat ggctcggct aaccanaggt ctgaaggaca 360
gcaattacaa tgcccgacce cggatttgcc aaatagtgcg tgtagcatt natcaccaaa 420
ttttanccaa anttnaanng gccgttatcc taaccagagc nccaaattgc 470

<210> 10599

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A11

<400> 10599

cattccatta gatcttcttg atccctaagc aagtctcttc gttactttt gtctttctcc 60
ttaaaatggc tacagaggag atagacatga gttattggga cgtgtcatgg ggaganttca 120
atgaagacaa gaactcgtct atcttctgcg agtcacaccc tcacatagta aattcgcacg 180
ggatatggga ggttatgact ttcangagag ggatgaactt ctgggaatat ccgctcccga 240
atcncgagat cttaancttt tctacttttt ttatatggcg gcttcnccac atctcattca 300
acaagaattg ggtcttcgag gtacctagnt tcanatatat gatgatcggc aagggataan 360
tttagngtca aactttgcca nttcagcanc aagtcgtgga tccatgnca 409

<210> 10600

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A4

<400> 10600

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ccttttcggt tgccactttt tgatcaagcg aaactccaaa acacagagcc atgccgccga 120
agttggaccc gaagccagat cgtcgatgtg tacgtccgtg taaccggagg agaagtggga 180
nccgccagtt ctctagctcc aaagatcggg cctctcgggc tcgcaccaa gaagatcgga 240
gaagacatcn cgaaagagac ggccaaagaa tggaaaggac ttcgtgtcac cggatgaagct 300
gacggttcan aaatcgncaa ngctaanctg aaccggtggn tccatctgct gcagctctcg 360
ntcancaang gcnttgaagg agccagagag agaccnnttn aggaaagtga aganacatta 420
aagcatancg gtaacatct 439

<210> 10601

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A6

<400> 10601

ctctctcaga tcaaaaaaaaa ccttcgtgtg cgtctctcgt cctctaaatt gtcgaaaatg 60

ctggctaggc tcgctgcgaa gcgtcttctc gagatccgtc aagttttccg tcaaccaacc 120

tctcaggtga ctcgtagctt atcgacggcc ttaactacc atctggattc tcttgataac 180

aaacccgatc ttccatggga gttttcagag gctaaccaat ctaagggtta ggagattctc 240

tcttantanc catccaatta caancagtc gcagttattc ctctcgnaga tcttgacaaa 300

cagcagaatg gaggtggct cctgttttca gcaatgaatg cggttgcnaa aagttataga 360

acttgccctc anccggtggt ttatganggt gcaancattt tactcaatg 409

<210> 10602

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A8

<400> 10602

gnatttgcta cggggatgtc tgatggattt cccaagttta ccangtccga aggatacaga 60

ngcttgata anggtcttgc tccactctgg ggacgtcaga ttccttacac tatgatgaag 120

tttgcttctt ttgaaaccat tgttgagatg atttacaant acgcaatccc caacccaaag 180

agtgantgca gcaaaagtct gcaactcgga gtgagttttg ccggagggtta cgttgccgga 240

gtgttctgtg ccancgtttc tcatccagca gacaatctaa gtgtcattcc tcaacaacgc 300

taagggagca accgttgng atgcggtgaa gaacantggt atggtgggac tgttcacaag 360

aanggentcc ttcttagaan tgtgatgatc 390

<210> 10603

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A9

<400> 10603

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aattcgaagt taaacctgac aggttttccg ttatcaagga aacagtcaca aaggcatacc 120
 aaaataacan attccaacaa ccacatgaac aagcancgaa ttactgctca ctagtnttac 180
 aaggatcana tttggccttg gacagaggaa ctagatgctc tttctcattt ggnagctgaa 240
 gacttggcta atttcgttcc gatgctanta tcaangacat ttgtttgaag tgctanatag 300
 caagggaatg tttataagga cgaacctgag tcaatggcca aagcataatt gnagaatgtt 360
 cctttttacc ngactcnaaa anctatgttg ccgnccgtta ntncaatcc cagttcctgg 420
 acaaataagg gnt 433

<210> 10604
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-B6
 <400> 10604

gttagttatc ctccgaatag atttccgatt ctctgtttct tctagattga atttaaaaac 60
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 aagtcaccca caatcaccca aacccgatac tcataaccta atcccaccgg aatccaccga 180
 tgaatgtctc gattcagctg gagtttcagg ctcaatcgctc tcactctacca caatcgacgc 240
 tcgacggatc actgaactag gcantgtatc gtctccgccg tccaaaatcc ctctccgcc 300
 tcggaaaatc cggaaactca cactcgacgg agacgtctcc ggtganagat nanaangcgg 360
 gaggataten ncncatctca agntaaactc tcggctcgcn aacggatgga 410

<210> 10605
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-039-Q1-E1-B7
 <400> 10605

acgcgtccga cgggatctag tagatccgag tctgataact tttgagctcg acataggaac 60
 gatggggaaa agaggaaggg cttgtgtagt ggtacttgga gatcttggtc gaagtcctcg 120
 gatgcaatat cacgtctttt ctcttgctcg tcaggcatca tttcaagtgg acattgttgc 180

gtggtgattc ttcttcgtct tcntcatctt ctntntntntnt nntntntntnt nntntntntnt 300
 nntntntccct cttctccttc gtcttctatg aaatcgaaag tttaccgctt gttcggacna 360
 gagcagctgt tcataangtt ctcggcgggt ggaaagccgg ctggatanat tcatgtggaa 420
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 ttgtttgaat ttgaaa 496

<210> 10608
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-B8

<400> 10608

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 tttttgcttt ctctctttat atattttctt ttgttgaatc tttctctttc acattttcct 120
 tcgatttcag ctcaaaggac taaccatgaa aacttctca agtgtctctc tcaccgaatc 180
 aacgaggacg actcaagaat catacacaca tcaaaagatc cttegtattt ctcaatcttg 240
 aattcttcca taaaaaatcc aagattcttt gttctcgaaa cacctaaacc ggtttcaatc 300
 atcactccgg ttcaagccac cgatgttcaa tctacgatta aatgcgcacg gcttcacgggt 360
 atacacatca ggactaggag tgggtggcat gactacgaag gttanactta catggctaaa 420
 agcagaccgt ccgttgtcat tgatttgana atcncgggt ccaatacatt agaatgttga 480
 taaccgggac cgggttggtg tca 503

<210> 10609
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C10

<400> 10609

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 caatctcnct caaaactcat aancatattg cncctctttg ttcatttctg ggtttacgct 120

tctttcgact ttaagggttt cggagcttag ttttacnaca atttcgtttg gaaaagagct 180
 cttatttgat gttcatggcg tctctctcct tcagccaatt cttatcattc cccagatgca 240
 atgcanatgt tccttgtctg ctccagtcgc atgggtttgt gaagtttaga ggtnaaagat 300
 ggaatgggaa acatagcttt tctatggctg ctgggtaaga gaaagttatc agaagtcngc 360
 aactcttgaa agaagaaggt aatgatngga nacggtgccg gttgtnggga aaagaaacca 420
 tccaaaaagt gnttacaaga accaaccaan gancaaaggt tgtnggttaa aggatgaacc 480
 aattaggang aaaatttcct gaanttttgg 510

<210> 10610
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C11
 <400> 10610

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 agaaacccaa tagaaagaag attcanaang gtaaggaaat aaaaagctct ccagctgatg 180
 gtaagctgag tgggaagatg aagaagagan aagagaaagt aggcaatgtt gatataagcg 240
 aaccgattct ggaagctatt tcaactgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttcagtcgaa gatctgaaaa 360
 gagaaagcaa gtttaagaaa tcaaataaga aagaaaaaag attgacattg acctcctaan 420
 aaaagagaac aaaatttgaa gaaggangga aagatgttta acaaatttcc tcaaggcgat 480
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<210> 10611
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C2
 <400> 10611

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ctgggagcta aantttcgaa ttgagccttt atcgggtcca agcctggggc taatgggatt 180
aatttgtgtca aacgaaaggg cgaaagtcac aaaactcaag cttgacaatt actctgggag 240
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tgttgagggg tgattcagca aggaacaagt cactgctttc tacatgtctt caagatgggt 360
ccgaaaccac aacgaaattc gattttgaag ttcttaaggg aaacactacc gggcgaagcc 420
ttacataagt cccaagaaca atatcctacg ttaaacngga gtttggnaac agangaacaa 480
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<210> 10612
<211> 483
<212> DNA
<213> Arabidopsis thaliana
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<400> 10612

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tgagatcttc agcgggaaag cttctctccc attctctacg gagaaaccgc gggaaacttg 180
gtgatggatt ttggattccg gctacgaggt ctgagaagat gtggaattcg acggtaccgt 240
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aatatgttcg aaantcccta accggagacg acgcttctca gtcaaaattg acggctaaat 420
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tcc 483

<210> 10613
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C7

<400> 10613

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 tcttgacgga caagtaacga gtggtggttc gacgatatgt caattctcgg gccaaaaatc 180
 attgaaaagc tgataaatac acttggtgcg catgataaga acaatgacag cttggtcctc 240
 acaaaatttc ttctccatta cctcaagaca aagggtccaa acaagtcaac caacaagctc 300
 gagtattcag gtttagctga tacagcgggt caaggaagtg gttttcgcaa cgaaaaccgc 360
 gttttcatgc agaaaaatgt tctgggttct gcgagtttta tcgggattta gcataagtna 420
 agaatcaaga aattggttaa gagaagggtta taggagaaat gcnggattta agc 473

<210> 10614
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C9

<400> 10614

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 cattgacgga tggcatgata aagggttgcaa acacttactt tttcaacaca acagaagaat 180
 tggagtttag ctggacaatt catggggatg gtcttgaact tggatctggg actctctcta 240
 ttctctgat aaagccacaa aatagttttg agatggagtg gaagtcaggt ccatggtttt 300
 ctttctggaa tgactcaa atgctggagaat tgtttctgac aataaatgcc aagcttttaa 360
 atcttactcg ttgcgttgaa gccggtcacc tttgtcttca acgcagattc cttaccagca 420
 aaaggacaaa ttataccgca aggcataaaa aagacagaca ctatatcact tgtgaaactg 480
 ttggag 486

<210> 10615
 <211> 614
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D10

<400> 10615

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cttttgaagt tccagaactc agctcttagc tccagatcag gtgcgtcgcc gcggttctcg 180

gcgaagacca ccggtgcttc ttcattcttg tacttacctc ggtacgcang aaagaggcga 240

accgattcaa tcggaagatt gagagttgca actgaaggat gcctcctctc cttccaacgg 300

tgatgtcccc cgatgaatta actaatgccg ttccccggga ctccctttcc aagaatgcct 360

aangccaagg gaagggaaga atttaaagga aaaagccctt aacnaanna acctgggtaa 420

tggaaaaant ccgnttggcc caattccan nnaacccttt taaatttggg gccaaatggg 480

aacccccccg gaaaaacccc ancnaaaan tttttccng gccaatnggg tttccaantt 540

ttaaanccga aatnantccc naantggaan gaaaatttcc cccaaanttt tgaaccccc 600

ctgggntttt ccaa 614

<210> 10616

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D5

<400> 10616

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cttgtgggtca aagctccaat attgcatatg gagaatcttt gcatgcttat gcggtgaaaa 180

cttcgcttct cagnnctgta tatgtgggaa gttctttact ggatattgat aagagagttg 240

gaaagattga taagagttgc agagtcttta gcgaaatgcc ttttagaaat gctgtaacat 300

ggacagcnat tattacgggg ttggttcacg ctggtcgtta caaggaangg tcttacgtac 360

ttttctgaaa tgtagagatc ggaacaacta tctganacnt atacctttgc tattgcctga 420

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atactnagaa cggcttgt 498

<210> 10617
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-D6

<400> 10617

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tttcgtctcc atggcaccg tgagggggat tcttggttg caaagggcag tgtccatttg 180
gaaggaaaagt aacagactga ctccagcttt gagatcattc agcactcaag ctgcatccac 240
ttccaccact ccacagcctc ctccacctcc tccgcctccg gaaaagactc atttcggttg 300
tctcaaggat gaagatcgga tttttactaa tctctatggt ctgcatgacc catttctcaa 360
aggcgcgatg aagagaagtg attggcatag gaccaaagat ttggtgctca aagggtactg 420
attggattgt caatgaaatg aanaaatctg gaactcctgg nacttggtgt gctgggttcc 480
cttccgggtc tnaattgt 498

<210> 10618
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-D9

<400> 10618

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tattttcact cagtatttga gcgagcgttc ttcacacgac actggaagac gcaatttctt 180
gcctttttca aatttccctg gaaaatctca gattctcgga aaatgcttgc gattgcagag 240
attctcttcg atttgcttat cagctagcag agaagacgta aaccatctg aagaattcgc 300

acacgatggt gtgacgaaga tatacgtagc agctggtggt cttggaattg aacaaatcag 240
 attcgattat gtaaagaacg gacaacccaaa ggaaggatct tttcatgggtg tgaagggtan 300
 aagtactatt tctacgattg agattagcca tccagccgag tatcttattt ccatggaagg 360
 ttggtacgac tctaccaata tcattcaagg aattcagttt aaatccaaca aacacacttc 420
 ccagtacttt ggatatgaat ttttgggaaa tggtagacaaa ttttcacttc aagttaatga 480
 cacanga 487

<210> 10621
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-F9

<400> 10621
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 aacaaacaaa aaaagactgc ttctctttct tatttctctc atcatcatca tcaatggttt 120
 tatgagattt atatcaaaaa acattgagga gctagagaga aagagagagt gtgtgtgtag 180
 aaaaagattg aaacatcatc aagattgatg gagcaaggag gaggtggtgg tggtaatgaa 240
 gttgtggagg aagcttcacc tattagttca agacctcctt gctaacaact tangaagagc 300
 ttatgagatt ctcaagccgc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnncttctt tcntcatcgg gaaatcgatg gccgagagaa gaaacttta 419

<210> 10622
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-G11

<400> 10622
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 ttcgacttta tgggtttcgg agcttagttt tactacaatt tcgtttggaa aagagctctt 120
 atttgatgtt catggcgtct ctctccttca cccaattctt atcattcccc agatgcaatg 180

cagatgttcc ttgtctgctc cagtcgcatg gttttgtgaa gtttagaggt gaaagatgga 240
 atgggaaaca aagcttttct atggctgctg gtaggagaaa gttatcagag tcagcacctc 300
 ttgaagaaga angtaatgat ggaaaccgtg cggttgtgtg gaaaganacc atctaanagt 360
 gttaagagaa ca 372

<210> 10623
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-H10
 <400> 10623

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 gaagcggctc gccgcatccg taatgaaatg cgggaaagga aaagtttggc tcgaccccaa 180
 tgaatcgggc gatattctta tggccaattc caggcagaac attaggaagc ttgtgaagga 240
 tggtttcatt atcaggaagc ctactaagat ccactcacgt tctcgggcta gggctttgaa 300
 cgaggccaag cgaaagggtc gtcactctgg atacggtaag agaaanggta caagagaggc 360
 aaggctacca accaagattc tttggattaa nggagaatga gggtgtttaa ggcgtttctt 420
 nngngcaagtt cccgtgagtc aaaacnaaga attgatangg cacatgtcca tnacctgtac 480
 a 481

<210> 10624
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-H11
 <400> 10624

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 ttgtcgcagt atttattang attttatctc tatnagacgg ctcttttgat taatattttt 180

ccgactctta tttcttatct tctttgctca naaacttctc tcaggcgaat tcaagtttca 240
tagttttggt ctangttttt gtccaccgat ctanctcttt aggtgagttt tgtttaantt 300
ttttcggctt tatagtttgt cnacgcttca tgttggtgtt gttattanaa ncttgtgttt 360
gaattgaggt ctttgatctc gtttcnnttn ctgaatttag atatgtg 407

<210> 10625
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-A11

<400> 10625

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gaccttgtgt ccatctactt tgtccaaagt tcaagctttc ccttaccttg aagtctctag 180
cttcgtcgag aagaaggttc agttcgcacc aaaaaccatt gcgttcaagt ctttgttctc 240
catctgcaag agctacatcg actttcttgg gggcgtaag ttttctgcct ccagagatgt 300
gtttcacgtc gttcatgtca aaatcacttt gatgaccaag gcnatggtta ttgcacaagc 360
acaaattggg aatttaaagg anaccccccg gttaaatttg ggcaaaacta ancgttaatg 420
gc 422

<210> 10626
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-A2

<400> 10626

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aaaatggaga aagcgatcga gaagacaacg cgttctcctt gagcatctcc cgaaccntcn 180
tcttctcttct tcgcacaatt tacgaaggct tctcctatcc tgccttctgc ttgcntggct 240

gggggacagt gctgcatatc aagaggacct ctctctatgg aagatgatgt tgtcattgtc 300
 gcggcacata ngactccact atgcaagtcc aaacgtggca atttcaaggg atacatatcc 360
 cgatgatttg ctcgcanctg ttttgagggc attgatanag aagacgaatc taaanccaag 420
 tgaagtangt gacattgttg tgggtactgt tttggcaact ggatntcana gagccaatga 480
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<210> 10627
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A3
 <400> 10627

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 ttctctcagt gtatcccaaa tccacaccaa gaagtttct ctctcttac aatcccaatt 180
 cttctcantt ccaactcaag aaaccttct caagcaaccc atgtttcagt acaagaagcg 240
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 gaaaatcnta cgantcnagg tactcctctc ctancaaact aagctgaagt ctctgangc 420
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 naatg 485

<210> 10628
 <211> 567
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10628

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ttgcaagaag caaaagaaga aaagagactc acttgggatt ccttgggtggt aagtgggact 180
 ttgcatattg tcctaattgtt cntgggatct tgggcaaacc aaacactgtc ccaacttctt 240
 cctctggagg cttactcaag aatgggatgt gatgaaacat caacaaccac tcgggctcaa 300
 gactactcaa gactcaaaca aatccttctt ctgacgatac ttcttctctt ttgtcttctt 360
 caagaaccag ttgagttaag atttcgaaag ccatcacaaa actccgaagc tgaaagatta 420
 cgaaatcaaa accgtaaagt actttgaagc catgtgacat gtcnnttgag tggagtnaca 480
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<210> 10629
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A8

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 aatccgacgg tctcttttgc aaacgactct gcgagaactg ttgtagaaaa agtgctaaat 240
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 caaatcctag acaatctcca agaatcgaat ggttcgaatt tccctgggga tgactaccac 360
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 gatctgtggc caaggaactc cacgantc 448

<210> 10630
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A9
 <400> 10630

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 gaattgatct ctattttgaa agacatgatg agcaagcagt gacttgtgaa gacttctttg 180
 ctgctatgcg tgatgcaaat aatgcagact ttgctaattt cttgcaatgg tactctcaag 240
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<210> 10631
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 10632
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-037-Q1-E2-B12
 <400> 10632

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ttgcctcagc acctcttcat tgcattacaa tctagtaaat ggaattgggtg atgcagcaag    180
caccaatgtg gctaattgagc taggagctgg gaatccgcga ggggctcgtg attctgctgc    240
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<212>      DNA
<213>      Arabidopsis thaliana

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<223>      unsure at all n locations
<223>      Clone ID: LIB24-037-Q1-E2-B2

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gattatcctt tgtaacttct ccatacacga cggtttcaac aaggaacca gtaacagatt    180
acacgctaaa agacggagct tggtccttc tatgctcaa accaagttgg ggttgagaac    240
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aactagttag aaatctctta accgtaaaag acgggtgggt aagggttaag gggtttgaaa    360
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<210>      10634
<211>      414
<212>      DNA
<213>      Arabidopsis thaliana

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<223>      unsure at all n locations
<223>      Clone ID: LIB24-037-Q1-E1-F10

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<400> 10634

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tgtgagttct cggttggtt atctcttcag gggaagccaa ctggttggtt cagtctagga 240

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attgcttctc aatatgcttc aatatttcan gaagtttata gaaaattcaa aattccaagt 360

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<210> 10635

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-H9

<400> 10635

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cctcaaaaac cctacttttta ctcgagattt tgtctccgcc gccgagtacc aagtgcctcc 180

cgatctacgc cccaatccct aaatgggtac ggaggctaca accgtaccca aattccagga 240

acctgatctc cggcagggttt ctgagacacc ggatttcaaa ccggaaatcg ctacgatgg 300

tcttaagttc tggcaattta tgattgctgg ttcgattgct ggctccgctg aacacatggc 360

gatgtttccc gtcgatacca tcaangaccc atatgcaagc gcttcganca ngtccttaa 420

aaccgctcgg gatccgggga agctttccgt tcgaattatc caaaaggag gg 472

<210> 10636

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E1-A11

<400> 10636

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aattacaaaa gaccttgtgt ccatctactt tgtccaaagt tcaagctttc ccttaccttg 180
aagtctctag cttcgtcgag aagaagggtt agttcgcacc aaaaaccatt gcgttcaagt 240
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ccagagatgt gtttcacgtc gttcatgtca aattcacttt gatgaccaan gcgatggtta 360
ttgcacaagc ncacattgga gttgaaggag acctcgctgt naagttgggg caaaagctag 420
accgtgaggg ctgaaangtt tgtcaaacct ttt 453

<210> 10637
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-A9
<400> 10637

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tctattttga aagacatgat gagcaagcag tgacttgtga ngacttcttt gctgcnatgc 180
gtgatgcaaa taatgcagac tttgctaatt tcttgcaatg gtactctcaa gctggaacgc 240
ccgttgtcaa agtgggtatcc tcttacaatg ctgacgctcg tactttctct ttaaaattca 300
gtcangagat acctccaact ccaggccacg ccaacanaag aacctacatt tantccagtg 360
gttggtgggc ttttggactc angtgggaaa gacattactc tttctctctg ttcacatga 420
tgggtacaagt gcagaccatt tcagggcaag caagcacaat ac 462

<210> 10638
<211> 399
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-B10
<400> 10638

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 tgtatctcaa tactctcttt tttccttctt acttttttct tttcagctta actgtaactc 180
 tatcttgtca atactaggat atcttcagct ttagttgtca gaattaccat cactttcata 240
 gctggcatgc aatttagtgt ttatattctc tgtgttcttc taatgccatt tactctttcg 300
 tactaaattc agcacaaatt tgttgagaga tgtaaaactg gggcttctgc aatgtcgcca 360
 aagattgaga agtccagaca aatcanagct acaaattggg 399

<210> 10639
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-B11
 <400> 10639

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 agccccaact tttcttttgc agaagaatga agcaggggtt gataatgaag gtacaagggt 120
 accaaggctg cagttaagaa ggggtgcaaag tgaactcgaa tctcaaaac tctatccgca 180
 gatgaatcaa aaaacaatat tagtttcttt acttttagttt ggtatttggc cgcgtgttat 240
 agcttcgttt cttctccatc ggaactctgt tcccgggaact gggttcttga tcngagggtg 300
 cggagctact ttgcacctan tttgcttttg aattgttatc aattttgaan ctatttggag 360
 attcggttat atgatgtgat tttccgagga aaat 394

<210> 10640
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-B12
 <400> 10640

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 ctttcaattt gccattcctt ctgcaatgat gtgttgctt gagtggttag ctttcgaggt 120

cattactttg ctgtctgggc ttctacccaa ctcaaagctc gaaacatcgg ttatttcgat 180
 ttgcctcacy acctcttcat tgcattacaa tctagtaaag ggaattgggtg atgcagcaag 240
 caccaatgtg gctaatagagc taggagctgg gaatccgcga ggggctcgtg attctgctgc 300
 ggctgcaatc ataattgcaa gctgttgagt cagttattgt gagctctagt ctgttcttgt 360
 ctgcgagtgt gtgggcctta tgcanagagc aatgtggagg aagtaannta gttangtgac 420
 ctgatatac tcctannent tgtatctcaa tctcatngg acagcttc 468

<210> 10641
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C10

<400> 10641
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 tttcgacttt atgggtttcg gagcttagtt ttactacaat ttcgtttgga aaagagctct 120
 tanttgatgt tcanggcgtc tctctcctc acgccaattc ttancattcc ccagatgcan 180
 tgcanatgtt ccttgtctgc tccagtcgca tgggtttgtg aagtttanag gtnaaagatg 240
 gaatgggaaa canagctttt ctatggctgc tggtaggaga aagttatcag agtcagcacc 300
 ncttgaagaa naaggtaatg atggaaacgg tgcggttgtg ggaaagaaac catctaaaag 360
 tgtaagaga acaacna 377

<210> 10642
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C11

<400> 10642
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 ggtaagctga gtgggaagat gaagaagaga aaagagaaag taggcaatgt tgatataagc 180

gaaccgattc tggaagctat ttcaactgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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 agagaaagca agtttaagaa atcaaataag aagaaaaaga tggacatgac ctctaagaaa 360
 gagaacaaaa ttgaagagga ggaagatggt tatcaaattt cntcaggcga tgaggatt 418

<210> 10643
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C12
 <400> 10643

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 gggtccttga agaaaaaac accaattcca ttcattttct tcttcatacg ttcaataatt 180
 cttacgagga cgagatcttc ctaacgtctt tgatcttctt cattaggaga taagtctaaa 240
 ctggtcgaag atgttgggag atttcatcat cagactcctt gtattgatat tagggtagac 300
 ataccagca ttcgaatgct ttaaacgggt ggagaagaac anagttgata tcgaggaact 360
 cagatttttg tgccaatact ggatacnttt ggcg 394

<210> 10644
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-037-Q1-E1-C9
 <400> 10644

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 ttcattgacg gatggcatga taaaggttgc aaacacttac tttttcaaca caacagaaga 120
 attggagttt agctggacaa ttcattggga tggctcttga cttggatctg ggactctctc 180
 tattcctgtg ataaagccac aaaatagttt tgagatggag tggaagtcag gtccatgggt 240
 ttctttcttg aatgactcaa atgctggaga attgtttctg acaataaatg ccaagctttt 300

aaatcttact cgttcgcttg aagccgggtca tcttttgtct tcaacgcaga ttcctttacc 360
agcaaagggg caaataatac cgcaggcgat aaaaaagaca gacactagta tca 413

<210> 10645
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-D10

<400> 10645

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tttgaagttc cagaactcag ctcttagctc cagatcaggt gcgtcgccgc ggttctcggc 180
gaagaccacc ggtgcttctt catcttggtc cttacctcgg tacgcaggaa agaggcgaac 240
cgattcaatc ggaagattga gagttgcaac tgaggatgct tcttctcttt ccaccggtga 300
tgtcgccgat gattactatg ccgttctcgg actccttcca gatgctacgc aggaggagat 360
taagaaaagct tactataact gtatgaaatc gtgccatcca gacttgagtg gcaatgacct 420
cgaaaaccac aaatttctgc atgttcatta acgatatcta tgaaantcc 469

<210> 10646
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-037-Q1-E1-D9

<400> 10646

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caaagacttc tatttttact cagtatttga gcgagcggtc ttcacacgac actggaagac 120
gcaatttctt gcctttttca aatttccttg gaaaatctca gattctcggg aaatgcttgc 180
gattgcagag attctcttcg atttgcttat cagctagcag agaagacgta aacctatctg 240
aagaattcgc tgtgatactt gaggttgata gggttatgat tgatacatgg tcaagtaatc 300
gccaagcggt caatgtagct tttcaaaagc ttgggctaga ttgtgcaa at tggcctgaac 360
cagtttatcc agacttggtg agaaaagggt ctgctgatga agaaaaaatg ttg 413

<210> 10647
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E10

 <400> 10647

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cttctaccta cgagctccag cgtaagctcg ttcaggtatc tctctccgct gattcctccg   180
gtggcggttca gtcttcgttt tctcttgtct cccctacctc cgccgtattc caggtaatnn   240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   300
nnnnnnnnnn nncagctgcc cctaaggaag atgagaagaa ganagaagaa tcagaagagg   360
aagaaggaga cttcggattc gatctctttg gttaaagatt gaaatagtat ttt           413
  
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<210> 10648
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E11

 <400> 10648

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acgtttctct cttatcaaaa ctcataggcg aatctaaatt cgtccagaac aatccgccgg   120
agctcatccc tcaagaggac ctaatcgta aacacgtcct tgactctctc cgctcctata   180
gcacagaaac tgggtggtggt cctctggtga tcaatcatgt cgcgtatcat tcaggtagag   240
gtaatctcat cgttgagtac ccaggatctg ttcccggaaa gatcttgtct ttcgtcggaa   300
tgcatatgga cgtcgtcact gcgaatcctg atgattggga atttgatcct ttctcgctaa   360
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 <211> 452

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H8

 <400> 10649

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 agtggctatt gagatgatgc aaaccaaata tgcactgttt cctcagctca aatatatgca 180
 aatggatgtt agagatatna gttactttga agacgattcc ttgacacta ttattgataa 240
 aggaaccctt gattcattga tggctgatta aacctggagg gacctacttt ttgataacct 300
 acggtgatcc gaaagtgaga atgcctcatt tgactcnttc tgcgtacaac tggaagatct 360
 ccttatacat tataccaaga ccaaggattt aaaaagcaag aaagttgcag ctcgtcagca 420
 aagtccttgt atgggaagct atacctataa nc 452

<210> 10650
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E12

 <400> 10650

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 ggaattgaga cgggtgggttt cgatgggggtc aggtgcatcg aagaatactg aggaagatga 120
 cgatgggttc aatggcggag gtggtcagct ctacgtttca ctcaaaatgg aaaactctaa 180
 ngttgaagga gagctcactc encatgtcta tggctctctt cctctcatcg gttcctggga 240
 tccttccaaa gctcttcga tgcaacntga atctgcgtta atgtcngagc taagcttcgt 300
 tgttctctct gatcacgaag actttgggac ttcaagtttt tgttgaggcc aaanancaca 360
 aatacgccct gcatactggg ngg 383

<210> 10651
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-035-Q1-E1-A8

<400> 10651

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ttcatgtcga gggttttggtt catgatgttt cctgcaaaag agtataagat tggtgttggt 180
ggtttgata atgctggtaa aacgacgacg ctttataaac ttcatttggg tgaagttggt 240
actactcatc ctactgttgg tagcaatggt gaagagcttg tctacaagaa tattcgcttt 300
gaggtatggg atcttggtgg gcaagatagg ctaagaactt catgggcaac atactatcgt 360
ggaacacatg ctgtgattgt gggttatagat agcacagaca gagccagaat ccccttcatg 420

<210> 10652

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-B10

<400> 10652

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agaaaagaag accccgcaca gcaagaaatc gagttgacca cagctccaag tgagcagcac 180
tgcaagcact ggggacaaca gggttttcatt atgtcgaatc ctataaatgt tgaggaaggt 240
gataatctga atcttggttt gttaatgagc cggccaagg aaaatcacccg actaatggag 300
attgagctta actgtgaaat aaaagaagca tctggttaacc ccaaagaatc tttcaagaag 360
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<210> 10653

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-B12

<400> 10653

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gtttgagaag aagtatgaac ctactattgg tgtggagggt catccattac gatttcttca 240
canactgtgg caagatccgt ttttactgct gggacactgc tggacaagag aaatttgggtg 300
gccttaggga tggatactac atccatgggc aatgtgctat aataatgttt gacgtcacat 360
gcacgggtca natacaataa tgttccgaca tggcaccgtg atctctgcag ggtgtgtgaa 420
aacatcccga ttggtctgtg tggggaa 447

<210> 10656
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C11

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cgacaaagcc accacctatg ccgctctctc tgcgtaattc caagtttttt cagtcgaata 180
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tacaaataca accccgttaa gacgatn 447

<210> 10657
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C12

<400> 10657
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gaanaattgg agaanaatcca nagggcatac cgaataatct catgccttat atccaacaag 180
tggcgggttg aagattacct gaactcaatg tatttggaca tgattatcct accatggatg 240
gtagcgcggt tagagactac atccatgtaa tggatttagc agatggccat gtggctgcgt 300
taaacaaatt gttttcagac tcaaagattg gctgtactgc ttataatctt ggcaactggtc 360
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<210> 10658
<211> 486
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C2
<400> 10658

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attagtaaac cacaagtgcc tcgagaagag cctcgagaca aattgcccc a tctgctgcga 360
atttcttttc acatcgagtg aancagttag agccttacca tgtggtcact acatgcactc 420
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cgccta 486

<210> 10659
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C5
<400> 10659

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 tccgatcaaa tccggtgaaa tgacagattc atcggttgta tcaatttcan caccatcggc 240
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 gctttcgcgg tggagaatgg aatccgggac cattgaagga acagngaaac gtttnngaga 420
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<210> 10660
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-C8
 <400> 10660

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 gtgataacct ttttgtgttt ggtggtactg atgggaccaa atatctcaac gatgtgcaca 300
 tccttgatac ttattcacac acttgatac gtccggatat tagaggggaa ggaccaaggg 360
 ttagagaggc tcatagtga gcgcttggtg acaaacgtct tttcatattt ggcggctgtg 420
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<210> 10661
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10661

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 cggnatgccg atttgtgaag canttgtctca aatagagcag cagcctaaca tatatgatgt 240
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<210> 10662
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10662

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 agaatccgca tgggaaccaa tgcacttggt ccaggatttg aaatgggaat tcgtgacatg 180
 aagcccgggtg ggccaagaag gattataatc cctccagaat tgggacctcc ggtggggacct 240
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 aattgtgang aggaggacta taataggttt ctactcagat gtcacatgca gttaacttcc 360
 aaatgatggt catcactaag cttcaatgaa cctgcattct tcaatcttca atactctaaa 420
 tctgcacggc a 431

<210> 10663
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-E1
 <400> 10663

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 gagagtatag ctttcgatcc agcaggtgaa ggtccgtacg ttggtgtctc agatggtcgt 180
 atcttgaaat ggcgcggtga accgcttgga tggtcagatt tcgctcacac atcgtctaac 240
 aggcaggagt gtgctcgccc atttgcacca gagttggagc atgtgtgtgg aaggccatta 300
 aggttgcggt tcgataagaa aaccggagat ctctacatag cggatgccta ctttggcctt 360
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<210> 10664
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10664

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 cgacgacgaa gaggacgaca ctttcgacta tcgctattcc tccgtcgcgg naccaccacc 180
 ttcgaaccct aaacaccaac cttcttcttc cgccaaatca tcagctcccg gcggcggatc 240
 tggcggctta gtccttcaa aatcaacact cnacgtctcc aatctcgatt tctccctcan 300
 canttccgac atccacactc tattctccac tttcggcaag gtcgcaaga gtcactgttc 360
 tcaaagattg ccacacncgc caatctcgtg ggcgtcgcgt tcggtgcn 408

<210> 10665
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A7
 <400> 10665

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 cgctggaaca ttgcagagac gtgttcgtga gtttcatgcc ctgcatgggc ttcgtcgagg 180

gaatattttca acaaccttct ccagattgct gcagaggcgt gaccacttg aacaacgtcg 240
tcaagtttac gtctccagga tgcaggaata ngcaggatag tggagaaaca gagagagtgt 300
gtctgtgcat tgagataatg ggaaatgcaa atcatcttcc ttttcttccc gccgctatta 360
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<210> 10666
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 10666

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cgaggaagaa gatcagagag tatgactcaa agagggttggg gaaggaacat ttcaaaaggc 180
tttctggcaa agagcttctc atcanatccg ttcagattaa tgaaacaact gatctaaatg 240
agctagttga aaaggaacct tggctctcgt cctgagaagc tgggtggtgaa acctgacatg 300
ttgtttggaa agcntngcaa gantggtttg ggntgccttg aaantagntt tttgctgaaa 360
gttgccacct ttgttaaaag aacgttttgg gaaaaangan gtannagaat gagntgggan 420
caaaagggan ccaataacaa acanttcaat agnnnggaan ccatttggtt cccacaacaa 480
atgacng 487

<210> 10667
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-C4
<400> 10667

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tggtaaacat ggcgggtgaa gatgtttcaa gcaatttccg agcttttggtg gagaacgcag 180

accggaaatt cgcaagagtt cgcgatcttc cggcgtttgg aaagagcaca gagtcattac 240
 ttccaaaagg tggtcaaagc ttatatgaaa ctatggaact atcagcaatc tcataggtca 300
 aagctggtcg aagtccggtt taaaccgatg ggaaatcggc gagatcgca gccggattgg 360
 tcagctttac tttagtcaat acatgangac tagtgaagct angtttcttc ctgaggcttt 420
 tgttttctat gaancgattt tgaaaaggag ctacnt 456

<210> 10668
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-C5
 <400> 10668

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 tgcttcatcg cagcgtcacc tctaagtgtc tgctgatcca ccaacatgtc ctgctgattt 180
 gggaggcaag tgtagtgatt ctgatgactg gcaagggtgat ttcttcctg aaatcccaa 240
 gattaagtat gagggacctt cgaagtaaga acccacttgc ttacagggtg tataacgctg 300
 acngantana ttcttgggaa gaaaatgaag gattgggtta gattcagtgt tgccgttttg 360
 gcatactttc cgtgggactg ngaggtgatt catttggtgc tgctactaaa gtattggcct 420
 ttgngaagaa tgggtactaaa ctccngtg 448

<210> 10669
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10669

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 tccaggaatg ttcaacgctc tctccggcat gggaggcggg ggtcaagtag atccaaccgc 180

tgctaacaac gctaacaccg ccgttttacac cgcttttcacc gttttcggcc ttttaggcgg 240
 cgggtttttac aacgtcctcg gtccacggct cacgttagcc gctggatggt cgacttacgt 300
 actctacgcc ggatctttcc tctactacaa ncatcaccac caccaagcct tcgcgatagt 360
 cgccgngcn ttaatcnggt tgccggcgcg ggacttctct gggccggata aaggagctgt 420
 gatgacgt 428

<210> 10670
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D3

<400> 10670
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 agtcacacaa naaaatcttg ggttggtgta atcttcacat cactagtatg tcaacgggac 180
 aagcgccgga gaagtccaat ttttctcaga gatgtagtct gtcagccgg tacttggaang 240
 agaanggaan ttttggaat attaatatgg ggttggtctn aaaatccgat cttgaactcg 300
 ccggaaaatt cgatctcaaa ggacaacaca ntgtgattaa gaaggtagaa gacctcagaa 360
 actagancgt tcaagttgnt tcannaaagt tttctattgg gtgagggctc tacttctacc 420
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 cgttctctg 488

<210> 10671
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D7

<400> 10671
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gcttcagatc cgcattaaaa aagctaagtt ttttgttatg tccttctttc ttatttgatc 180
 agtttgttct tgtttcacga ttttaacctg agatttttta tatattttct ccagatctgc 240
 tatccgcagt catctgttca taggaaaaga tctggcttta cttttagaga ttatctcaga 300
 tncagccttt tanccaattg aagtgtgcaa angtaagtac cccccacct ctgttctca 360
 cggtttttct gcaagaggac cnaccctcct tgaacttcaa gcggtccaan cacaatggcc 420
 cccag 425

<210> 10672
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D9
 <400> 10672

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 taagaagatt cgttgttgaa tcanagagaa agaaagcatc catttttcta tcattgcttg 180
 cttgctatgg aattgggttaa atctcgattc tacttatggt gcaattgctt ttctcctgtt 240
 agattttccg attattcttt agctggaagt gattatccag acgccatctc catcactttc 300
 aattgtantc ctagancttc ttctgaagga ttctcgtat ttctcgattc gatgtttata 360
 aacttcaa atctctttnaa atcttganac gaatttcncc caaaaatctc tgtttcttca 420
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<210> 10673
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-E3
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ttgttttagta gagctggaaa catatttagg cagcctagag cgttgcaggc ctcaaacgct 180
 atgttacagg gcaatctttc attaactcca tccanaatct ttgttgagg tctctcacca 240
 tctactgatg tggagctctt gaaagaannt ttggcagttt tggaaaaaat tgttgatgcc 300
 ggtaagtggg tttggaccgt gaaaagttgg tttatcaagg gggctttggg ttcggtaaca 360
 tatgatcgat tcgaagtttg ctaataacgc aatgcaagct atgcnaaata aggagcttta 420
 tggggcgaat anttggaagt gcatccaagc tgantcaagg aagtgggtggg ggggttggtt 480
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<210> 10674
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-E9
 <400> 10674

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 aaatttgga cagtctgcaa atttcatcat cctanagaca ggcaaaccct tctcctgat 180
 tgtgtcttaa gctcggttgg ccttccttta cgcccgggag aaccactgtg cgtgttctat 240
 tctcggtatg ggatctgcaa gtttggtcca agctgtnaat ttgatcacc gatgcgagtc 300
 ttcacttaca acaacaatac tgcatctcct tctccttcat catctctgca tcaaganact 360
 gcaatcacca cagagctcag gaatctcct agtctctct tctgtggaaa gcaagaancc 420
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<210> 10675
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-G3
 <400> 10675

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 tttctccgtg gagaagttaa agatgacgat gtcggagaac tcaangaaac ttggnanctg 180
 gtttgctact gaggaagaac cannaccaca tcaacgaatg tcgtatcact gctgttgtag 240
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 angtttggtt caaatcatga nntttgggag gaatganttg gngccatctt caancnggaa 420
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<210> 10676
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A1
 <400> 10676

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 attctcgaga ccattttcaa gcggaacaac ttgtgttaaa tctcggagaa gctttgtggt 240
 taaagcttca gcttctgggt atgcttcaac agaataatc gcgccgcttc agttgaagtc 300
 tcctgtggga cagtttctgt cacaagatat tangtgagcc atcctcatct tgttccagca 360
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<210> 10677
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A11
 <400> 10677

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 agaggggatcg tgaacgtct cgtcaacgag acaaaacgcc accgtaacgg cgaatcctct 240
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 t 421

<210> 10678
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A3
 <400> 10678

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 ttcggtttgt ttcacggatg tttcatccaa acatttatgc tgatggaaaag catttgcttg 360
 gagatcttgc aaaaccaagt ggagcccat ctacgacgtn gctgcaggtt ctcacatcaa 420
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<210> 10679
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A6
 <400> 10679

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ggaccagnnc aaccttgctt gtatgtcana gtgagtatgg aagggtgctcc ttacttgagg 120
 aaaatcgatc tcaagactta caaaagctac cttgagctct cttcngctct tganaagatg 180
 ttcagttgct tcaccattgg tcagtttggt tctcatggag ggtgtggcag agatgggtta 240
 aacnagagtc ncttgactga tctcttgctg ggttctgagt atgttgtaac ctatgaagat 300
 aaaggacagt gactggatgc tggtcngnag atgtcccttg ggaaatgttt atatgctcct 360
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 ggacaa 426

<210> 10680
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-B9
 <400> 10680

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 gacaacngag agaatganaa tgggtggaggt catatcgatg tagctgatct tcttcagaa 180
 tcatttgatt ttgatgatat ggaagatttc tttgacactg atgctgctga gtttgatcaa 240
 ggattcgatg gnagaatgta ttaccaagca ccttcggaat ttggcttttg naagaatggt 300
 gatgatggtt antgagatca antggcaacc nngagcnccg anacgattg tggaaccagc 360
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 a 421

<210> 10681
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10681

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 aaaccactt caacgacgat tcttcaagat gaaacaagaa gtagaaaatt cggacaagag 180
 atgaagaggg agaagagaag agtggtgcgt gtgattaacc agaatctcgc tggtgcaaga 240
 gtttatcctt gtgttgtcaa caagagagga agcttattgt ctaataagca agaagaagaa 300
 gaaggatgtc aaaagaagaa gtttgattct ttgcgtcctt cagttacaag atctgggagt 360
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<210> 10682
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-F9
 <400> 10682

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 tcactcgcag ttacatcact gggtagcaag cttcaaagga tgatatcact gtgtttacan 240
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 gatgccctct tgaggatctc tgggtgcnct gcngaaggaa agtgngtgtc attgttgaag 360
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<210> 10683
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-G10
 <400> 10683

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aagggatgcg gaagatgccca tccgagcact tgaccgcttt gaatttgggc gtaagggacg 180
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tgcgataat actaggaccc gggatctaga gaaacacttt gagccgatg gaaagatcgt 360
aaacgttagg atcaggagga attttgcatt tatccaagta cgaggcacia agaaggatgc 420
caccaagagc attggatgct tcaaa 445

<210> 10684
<211> 389
<212> DNA
<213> Arabidopsis thaliana
<223> Clóne ID: LIB24-033-Q1-E1-G12
<400> 10684

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aactgaaagc tgccaaagca agcaaggaag cgatcactgc tgctgttgct gaacttaaaa 180
tagcaaagga gacttttgct catattgatg agaggtcgag gcttagacct ggactaccta 240
agaaagatgg aaacattgat tattccaagg atttctttgg gtcgtcaagc tttcttgaca 300
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tgccccgact ttccgggcag agaactcct 389

<210> 10685
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-G4
<400> 10685

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anaattcaga tatggggatc canagcatgc caaatctcca tcctcattct ttttcggagt 180

acgtcnacaa ctttgcaaat ggtagtccat atacgtcctc tgcattttct gaantgggtca 240
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 ttagtggagg cggatatanga tctcccatgc atcaaagctc tcgccgccct antaatttat 360
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<210> 10686
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-033-Q1-E1-G5
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<210> 10687
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-G7
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ctcggagcta ctgccatctg gcaatggtag gacgtagctc gccgtctctc acgttatttc 300
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aaagnttt 428

<210> 10690
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-H5
<400> 10690

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ccagaaataa ccttgatgg cagtatgagc cgttccaggt acctgacgat gtaaaaagcc 300
actggagtcg tcatacacct gaaggagcta ctcttgaatc tgactggagt gcaaagtttg 360
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<210> 10691
<211> 445
<212> DNA
<213> Arabidopsis thaliana
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agaacccaaa anaaaaaaag ccattgtaaa ttcagaataa atggaagaac atctaaatcc 120
attagcagtg actcatcttc ttcaacacac actaagaagc ttatgcatcc atgagaactc 180
tcaatggggt tatgctgttt tctggaggat cttgcctaga aactatctc ctcccaaatg 240
ggatgggtcaa ggagcttatg atagatcaag agggaacagg agaaactgga tcttggtttg 300

ggaagatggt ttttgcact ttgcagcttc tgccgcggaa atgagctccg gagaaggtag 360
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 cttcaacctg aattggctct caaag 445

<210> 10692
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-A11
 <400> 10692

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 tcaagcagta tcgaaatcta ccaatcatgg cgagtcaaac accgaatctc gagtgtcgga 180
 tgtacgaggc gaaataccca gaggtggata tggcgggtgat gatccagggtg aagaacattg 240
 ccgatatggg agcttatggt tctctcctcg agtacaacaa catcgaaggc atgatccttt 300
 tctccgagct ctctcgctcg cggaattcgaa gtgtagcag tttgattaag gtcggaagaa 360
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 cgtagagtc agcgaag 437

<210> 10693
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-A3
 <400> 10693

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 atttttccga tttgagagat ccattaacaa tggcgtggtc ntcggaacg ccgtcgtatt 180
 gcggctggaa tgagcgacat gtgaagaaca cnaagaaaa gatggagggtt cattattatc 240
 tcgagaggaa agatggaatt gcagatctan ctgttattgg gangttgaaa gaantctaaa 300

acgcatgtcc tttagatagc ctttgaaaga anaatgcnc tgtcttgaaa anncttaatt 360
 ctaaaggatg atgttncccc tttggctcga ttctaattgt tccgggtgga gatnaccnca 420
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 ntatgaa 487

<210> 10694
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-B2
 <400> 10694

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 ttctccttc ttctctctac ttctgtatcc gtctccggcc aaaaaaagcg aagtgtctac 180
 caggttctcg aaaactacac cttaccacga ggaatattac cagaagggtg ccacgactac 240
 gacctaaacc gaagaactgg cgttttcaaa gtccgtttca acaccacgtg tcagttctcc 300
 atagactcgt acaagggtcaa atacanaccc gtaatctcnc ggcatcataa cnagagggac 360
 gggtcataag gttgataggc gtaaggcgtc aaagggttct ntcttttggg atcaacatct 420
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 gaaggagt 488

<210> 10695
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-F5
 <400> 10695

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 agcaatctc acatattgcc aacacctgta tatcgccac gattgcaaaa tgtggaacgg 180

agctccagat acagagcatc cgaatggnac agaaggtcac gatagcaaag gnatgagtgt 300
tatgcaacaa catgttgctt tcttcgacca aacacgacga tggaatcgtc tatccttggg 360
gagactataa gggatttcgt gaccttgggt tcaacccaan ttccctccan ctttttggac 420
ccttactcca taaaacttag cgttcancta cggtnacact tcccnagttt gggtgcccat 480
caaccatta 489

<210> 10698
<211> 489
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-G6
<400> 10698

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tcacggcggc tacacgacgg ttatcgatgt cattgactgt accggagttc gatttcagat 180
tgacgccaca gtttggtttc tcacagtcac cgatcgggga gcgtaatttc gcggatgttg 240
ataatctgga gaactgtatt aagtatttga atcagagctt agtcacctct gggattctct 300
gcttcgcttg acctcttcgc taccgattct gtttcgantg ctagaacttg caaattgcgt 360
atacgcnttg antcaacaag angcaacgan aatgtgggaa ttaagagaat ccggctaattg 420
atnaagaaga caacgaactt ttaaccgata atggcgagac tccaagccaa aagttgnaaa 480
ggttgaaaa 489

<210> 10699
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-H4
<400> 10699

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aacaacttat ctcttgagt gttcaacctc tatctctctc tctttctgcc atgaaaatgc 180
aaaggccaaa tgtaatagtt agaganggag aaaccaagaa ctgaaagacc atgacttcca 240
acagaagcaa cctcctgttc tcattagtc tcttccacnt tctttttgtc cccacacaac 300
tccaagctct tagcncctgan ggtgttcttc cgcttacttt caaaatactc gatcctcact 360
gacctctctg ctggttctac gcaantgggg actatgatga tgnacagacca atgcttgtgg 420
gacaggtgtc acatgttcaa ganccttggg ga 452

<210> 10700
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-H5
<400> 10700

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aaaagttcat cttcttcttg ttctgattgt ttgacaagtt ttacgacaat ggcggtttac 120
ggcgagaaga agcattggtg gctccgcaac aagaagatcg ttgacaaata catgaaagaa 180
gcaaanagtt taatagcgag tcaagatcca aacgangtga aatcaagctc naaatcttct 240
ggaatcngca ctctcngtat ctctcgtta cnaactcgct ctcgaaactca aagccagatc 300
ccttcntnan ctccgtcgag acagagacgt cgccganang cttcaggatt acattcntag 360
tccgaanatt agccgggggg cgngaaaga tccgggggt 398

<210> 10701
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-H7
<400> 10701

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cgccggaaag atagagaagt tgtcggagga gctactggat ctgctgtgcy agaactctcg 120
tttagagaag gggtatttaa aaaaggtgtt ttacgggtcg aaaagaccga cttttggaac 180

caaagtcagc aattatccac cttgtcctaa tccggaccta gtcaagggtc tccgagccca 240
 caccgacgcc ggcggcatca tctctctctt ccaagacgac aaagtcagtg gacttcagct 300
 tcttaaagac ggcgagtggg tcgatgttcc tccggttaag cattcaatcg tcgttaatct 360
 cggcgatcaa cttgacgtga taaccaatgg gaagtacaag agtgtggaac atagagtgc 420
 atctcataca gacggagaac gnaanaatgt cgatcgcac attcta 466

<210> 10702
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-A3
 <400> 10702

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 tcttcacgat ccacgacgat tcaagttctt gagttccggc gattatcggg ctctcacttc 180
 tggttccggt gaaccctca tttctcttct cgcccgtgct ctcaaattcc gatatttgcc 240
 cctgtgattc gaaaccctaa tttcgcttaa ncaatctgga aaatcctca attcgaagac 300
 tttagcagcg caaagatact cnatccgggt aataagatcg aagaaaccat caatttctta 360
 ccaaagtcgt gantentgga tctcgtctt gtttgatgga cacaattagg gtttccaagg 420
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<210> 10703
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-A4
 <400> 10703

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 ngccatcatg gctatagtga tctgtgggt tcttggttcc tcgtatcttt gtctcatcgg 180

tcatatgatt gccgaggctg caagataagg tgctccang angaaggaag cacactccag 240
 tgggattgga agagaaagta anctcatgan gaatgaaaa cactccactg agattggaan 300
 agaaagtgcg tccatgagga atanagcacg ctcgagttag attggaagag anagtaagct 360
 catgangaat ganacacact ccagtgagat tggaaanagt atccganacg taaccggatt 420
 taaaggtgaa ctcaaacactg gtggctaccg gcngtgtgag gcccggggat atgagtgg 479

<210> 10704
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-A7
 <400> 10704

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 atggcgaaga ggaacttaac cgggatctac aatttcacta acccggtgtg tgtgagccac 120
 aacgagatct tggagatgta cagagactac attgaccgga gttttacttg gaagaacttc 180
 acattggagg aacangctaa agtgattgtg gcgccaagga gtaacaatga gcttgatgca 240
 actaagttga agactgagtt ccctgagttg atgtctatca aagagtctct gatcaagggt 300
 cgtgtttgag cccaacaaga agactgaagt taaagcttga aatgtggttt tgtaaggtaa 360
 acggttctta accccaanna ancagatcaa atgaaagaca gnaaaagttt gg 412

<210> 10705
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-B4
 <400> 10705

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 aagctcggac ggaagattgg cgggtggtcc tttggagaga ttttctang ctacgcacat 180
 cgataccttc ganattgtag ctgttaagat cgagaacagt anaacaaaac atcctcagct 240

ataatatcct cgttgtctca aagtactacg caaggataac cttaaagaga cttgccgagc 360
 ttttatgcct gagcatggag gaggcggaga agcatctaac nggagatggg agtt 414

<210> 10708
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-C7
 <400> 10708

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 actgatgctt ctagctctct tgctttaaga cgcgattgtg gagctctttg cttgcctcct 180
 aggacagtta cgtttgatt tgctgataaa cctcttgta atctcgagcg attaagatta 240
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 agtgctgctg attctgataa agttccaact ccagttgtta taatcgacca agattctgac 360
 cctgatgcaa ccgttcttga agttacattc ggagatcgtc ttggagcttt acttgacact 420
 atgaatgcgc tcaaaaactt gggattgaat gtcgtcaagg caaat 465

<210> 10709
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-D1
 <400> 10709

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 atattgaatt tagggtgcca atcaaatcgc agctgctagg gggggatatt aggcggagaa 180
 gaaaatgggg gttatgtcca gacgggtttt gccgcctgt ggtaacctct gtttcttctg 240
 tccttctttg agggcaangt ctaggcattc cgtaaagc nacaagaaaa tgctcgctga 300
 aatcttcct cgtaatcang aagctgaagc ctaatgatag aaaaatcggc aagctgtgtg 360

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agtatgcgtc taggaatcct ttacgaattc caaagattac agagtacctt gagcaaaaat 420
gttacaaaag aattgcgaaa tggaaatatt ggttcaagtg aaaantc 467

<210> 10710
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-F9

<400> 10710

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gttcgcagat gatttgacac caatcccaga gggcaaacc caagtgggtgc agtgggtcaa 180
taccacggtt ggtccattgg ctcaacgtaa aggcttagat cctgctctcg tagctgctga 240
ggctgtcca cgtatcatca acgtgaatcc aaagggaggt gaattcaaaa cactaacaga 300
cgcaataaag agcgttcccg cagggaaacac aaagcgggtg atcataaaga tggctcatgg 360
tgagtacaga gagaaggtea ctatcgacag gaacaaancc ttcattacat ttg 413

<210> 10711
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-031-Q1-E1-D9

<400> 10711

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gggtcaatct ttaggaagag tgttgatgtg gatacgttgc ctaagatcga agagacgatg 180
gataatgatg ttgataagat tgaattgggt gatcatactg cgttgggttga tgttggtcat 240
catcctaaga gaccagggac tgctcaaaat gagaaggata cacctagaaa gcttaagaaa 300
attggagata agagaaatgt tattgagggg agtggagtag aaaacaatgg gaagcagttt 360
aggaagattg tacactagga aacaattgga gtcaatgagg tttgcccaca tt 412

<210> 10712
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E1

<400> 10712
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 gttcactgca attgttaaatt ttgtccctga taagggttttg gaccatatta tcagcatact 180
 tacacttggt ggtgaatcaa ctgtgacaca gattgatagt cactcgaagt ctatctttga 240
 ggggtttata tcaatgggtca ttccattttg gctgtctaag actaagagtg aggagcagtt 300
 gttacagatt tttgtgaaag tcttacctga tattgttgag catataaggc gtncaattgt 360
 agcttacttg ctggggagtta tggggtgaac gaaatggctt gcctgctttg cttgtcctcn 420
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 t 481

<210> 10713
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E11

<400> 10713
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 cctggagggtt ggttgtaaga tgggttgacac attctgtgct actggtacca tgggatttaa 180
 aagcaattta acatctggag aaattgtgga gcagcttggt cagcctctc gcattgctga 240
 tatacgcaac atcgttttca tgggaatggg agaaccttta aataactaca atgctgttgt 300
 tgaanctggt cgtgtcatgt taaaccaacc atttcagctg tcgcccanaan gaattacat 360
 atcaactgtc ggaattgttc acgcaattaa cangctacac 400

<210> 10714
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E3

 <400> 10714

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 tacgctcatc tatcgtcact cccacagcga gagctgtctc ggaagtttcc ggttgacta 180
 cgatcgatcc agattttctc gtagagatct ctgattctaa ccagacgcgg gtgatgtcga 240
 aagctcgtgt gtacaccgaa gtcaatgtga ttcgaccaa ggattattgg gattacgagt 300
 cactcattgt tcaatggggg gagcaagatg attatgnagg tagtaaggga agggtanggg 360
 cgtggaaaat atantgaagt tttcgagggg tataaatgtg aacagcaagg ganaangtgc 420
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<210> 10715
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E4

 <400> 10715

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 agaaatggnt ctgttttagag atattgttct tcttggtttt ctcttctgct tgagcttagt 180
 agctactgtg acttcagagg agggagcaac gttgctggag attaagaagt cattcaaaga 240
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 aggtgtgtct tgtgaaaatg tcaccttcaa tgttggtgct cttaatttgt cagatttgaa 360
 tcttgatgga nnaaatctca cctgcnattg gaagattcca angaagnccc ttgtcaattg 420
 atctgcnang gtaatccent ngtcnngac aaaatccctg aatgaanatt gggtgaccgg 480
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470

<210> 10718
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-031-Q1-E1-F1

<400> 10718

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catttgcttc aaatTTTata gtgtaaatgc tatcaaatta ccgcagcaag aagtcgatgc 180
tctgcagcaa atcgctacca cattgggctc gaaattctgg aaattcgatg ctgaaaattg 240
taagattgaa atgggtgggggt taactgaaac tctctctcca acagctaagc aagaaataga 300
atgtgaatgc agtcccacta acgacactga ttgtcatgtt gtcaaatttg cattcaagga 360
ccataatctt ccaggaactc ttcctcaaat agtcaaagct tccctacctt cgggagatag 420
acttggg 427

<210> 10719
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-F11

<400> 10719

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aaggctctaga anaagagatg gacagagatc cacatgtatg tgtcatgggt gaagatgtag 180
gccattacgg aggctcatc aaagtancta aaggcctagc tgataagttt ggcgatctca 240
gggttctgga nactccaatc tgtgaaaacg ccntcacngg tatgggcatt ggagccgcca 300
tgnncagcga ccnagacgc gtcatcgaaa ngatgaana tgggggtttc tactcgttng 360
ccttcaagcn aaatctccan acnagctgtg ggtagggctt tcagctaata cn 412

<210> 10720
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F12

 <400> 10720

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 actgttcttc gccagggtgga gttctatttc agtgatagta atctacccat tgatgatttc 180
 ctcaagaaga ctgttacaga gagcgaacat ggnttggtga gtttggcggt gatttgctcc 240
 tttagtaaga tgagaggata tttgaagttg ggtgattcta aaggagatga tattcctgan 300
 agataccatc aangctgttg ctgatacnct tcgaacctct tctgctctca agatttctga 360
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<210> 10721
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F5

 <400> 10721

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 ttgttgtgaa atcganagat aagctttggt aaaccatggg tggtcgttac gatcggaaca 120
 cattcgacga acaagacgaa gtcaatcctt ttgctaattc tgggagtgtt cctgctgctt 180
 cgaattccag actatcgctt ttgcctcccg aacctgctgg ttttggttat ggtcntactg 240
 ttgacattcc tcttgacaga ccagggtctg gtgcacagga tttnanaaac aaagagaagg 300
 agctccaaac caaagaangc tgacctaaga cgacgagagc aagatcttaa aacgaaaacg 360
 ggatgctgcc aacaangagg catggagagc tgccatatga angcaaaagg taatcaatga 420
 gtcctannca acccctcctt aagncanntg cttgtgnatg tgtaatgttt acaccaagtt 480

<210> 10722

<211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F6

 <400> 10722

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tttgatttcg atctgtgaca atggtggaga ctagtatcga catggaggaa ggaactctcg 120
agatcggaat ggagtataga actgtctccg gagttgctgg acctttgggc atccttgaca 180
aagtgaaggg tccaaagtac caggagattg ttaatatcgc cttaggagat ggatcaacga 240
gacgtggcca ggtcttggag gttgatgggg agaaagctgt tgtccagggt tttgaaggaa 300
catctgggat tgacaacaag tttaccaccg gtgcaattca caggagaagg tactgaaaac 360
gcctgtgtca ttggacatgc ctggccgnan nattaaacng gcccgggaaa anccaatnga 420
taatnggcct cccaattt 438
  
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<210> 10723
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F7

 <400> 10723

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aaatggaggt tttggatagg agagacgatg agatcaggga ctggggaaac atggacagca 120
tcaagtcaca ctatgttacc gactctgttt ccgaggaacg ccgctctcgt gagctcaagg 180
atggagacca tccctttacgg tacaagtttt cgatatggta cactentcgc acaccagggg 240
ttcggaacca gtcttatgaa gataacatca agaagatggt anaattcagc acggttgaan 300
gattttgggc ctgctactgt caccttgctc gttcttctct cttgcctagt ccaagcagat 360
cttcangttc ttttaaggatg ggattcgtcc attgtgggaa ngatgggtgcc aactgnaatg 420
ggangaaagt ggatcatacc nttcncaaaa agttgtatct gctcgcntct ggg 473
  
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<210> 10724

<211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-D6

<400> 10724

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 caatctaagg atttccatga acaaggaact aaaatgagat ctcttctctt tgtactatca 120
 ctcatttgct tttgtctca aacagcactt tcatggaaga aggaagagtt tcgcagctgt 180
 gaccaaactc cattttgtaa acgcgctcga tctcgtactc ccggcgctg ttctctaatt 240
 gtcggcgatg tttccatcac tgatggagat ctcgtagcga agcttctacc gaaagcgctt 300
 aatcaaggcg atggggatca gatcaagccg ttgattcttt ctctctcagt ttacaaggat 360
 gggatcgtgc ggcttaaaat cgatgaggac cattcgttga acccgccgaa gaagaggttc 420
 caagttcctg atgtggtagt gtctgaagtt tgaggagaag aagatctggc tgcagaaagt 480
 ancga 485

<210> 10725
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-A8

<400> 10725

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 gtttcccaaâ gaaggacagc tcactttatc tttcgtctct cttcttaggt cnagggttct 120
 ggtggagaag attgtggttg tttcntaggg ttttctgaga gaaagcatgt tgttaactac 180
 ggaagaaaag gagaaactct ctgtttctaa aggttctgaa attgaaatct cgtctcaaga 240
 ntatgantân ggtagtggaa atgtctggta ttgtgtcatt ctggaagaaa atctagctaa 300
 atcgaaacgg aagaagctct ctgtccgtca cttggattcn ctgctcaagt atnantantc 360
 tcctccgtta atcaanacca ccgtgcatcg tttcatgcgt ccanttccgc cgccggattc 420
 atttccagag gtcgantttg atga 444

<210> 10726
 <211> 464
 <212> DNA
 <213> . Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B10

<400> 10726

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cttctagccg cncggtaccg gtcataaatt cccgggcccgt accgtgcacg taaaccacac   60
aactcttttc ataaaagccc tctatctttc aacaaacatc cgattagagt ancaacaata  120
gagatcaaac gtaactcaca aaatgctctc gtttcttata ccagttgtac agttttttca  180
ggtggttata gctgccgtag catctgtagt cttcttagtg ttccgccgga taaccttcgg  240
tgccatcaatt gtgggactaa ccatagccac accgcttttt gtcattctca gtcgattct  300
cgtaccagcc actatagcca ctactttcct aagtcggagg ggctaccgct gcagttgccc  360
taggagtgac ngcatttgct ctcatctttt ggctctttaa acataggatt gggagtanaa  420
ccgangaaca atccaagctc cgaaaggagc cncaacaaa ggca                        464
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<210> 10727
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B2

<400> 10727

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cgcccacgcg tccgccacg cgccgaaaa catgtataac anacancaac tgtgacgctg  120
gattacactg cgaaacatgt atagccaaca ctgattttag acctagatgc tccagaacct  180
aaccatcaa ccccatcacc aangcaaagg ggttgccctt taacaagtat tcatgggtta  240
ccacacacaa ctcttttctg cgtttggggg aagtatcacg gaccggttct gctattttgg  300
ctcctactaa ncatcangat tcaaatacaca nggccaactc nctaatggtg taanagggtt  360
tatgctcgac atgtattgac ttccancnac natatccggg cttttccaat tctttcgaag  420
ggnacangtt tcaaatttca acgcttttca acccggtat tancatttta aggggagttt  480
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<210> 10728
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B3

 <400> 10728

gtacaagtcc anaaattccc gggtcgaccc acgcgtccga tgaaatccag cacccaatan 60
 gcctagcaaa caagaatggt gcaagcacgc catctccatc gaaggaaaaa agtatctggg 120
 gtacttatgc cagaggagca gtttatgcgt tacagagcag caaaaagaat ctcaaacagg 180
 gcattattgg ttacctcagt ggctcaaattg gactagatag ctccgggctt agctcatcag 240
 ctgctgttgg tgtggcatac ctgctagctc tagagaatgc aaacgaattg actgtatccc 300
 caacagaaaa tatcgaatat gacaggctta ttgagaatgg ggtatctggg tctgcggaat 360
 ggaatttttg ggatcaatca gctatttttg cttttcgaat tatgggggtgt ctaacataca 420
 tgggactgca aagaactttg gaccacgagc tttgttaciaa ggctccctga actggaana 479

<210> 10729
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B5

 <400> 10729

ncacgcgtcc gcatatatat aaatatatcc acaaaatcat ctcttttgct tcgctgtttc 60
 tctcattatt ccatctctct tancgccgct acaaacgttt cttcttcaac ctcgttcaga 120
 gattatcttc cttctttttc tcatcttaca aggaagttag gcagttaaag ctgctgggat 180
 caccagtttt gtcaaaagtg gagtgtgaag aatcttttat gtctgaacag gcttctctct 240
 ttcaatcatc tancgggctt ttaggagaag tactgtccca tatctaggan aaagtccact 300
 catnaagttg ggtgggttag cgttttgagg aagacntcac gagccggtaa tggatttcag 360
 ttttaagcaac tgaagtgatt atcaacggct cntctgangt cccctggttg gttaantttg 420

gttggatcca agangggctt tgccaaaa

448

<210> 10730
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B8

<400> 10730

cgtctgccgg nccgtaccga tccanaaatt cccgggtcna cccacgcgtc cgnnagattc 60
cagctactcc agaagattct tcgacttaat ctgatgtgat taggaagagc aatagaggaa 120
gagaagaatc agaaaaaatg gatccggcga ctaattcacc gattatgccg attgatttac 180
cgattatgca cgacagtgat cgttacgact tcgttaaaga tattggctct ggtaatttcg 240
gcgttgctcg tctcatgacc gatagagtca ccaaggagct tggtgctgtt aaatacatcg 300
agagaggaga aaagattgat gaaaatgttc agaggagat tatcaatcat agatcattga 360
gacatcctaa tattgttagg tttaaagagg tgattttgac gccttcccat ttggctattg 420
ttatggaata tgctgctggt gggagaactt tatgagcgga ttttgtaatg ccgggacggt 480
ttaagtga 489

<210> 10731
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B9

<400> 10731

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnntg gtcttatgat ctcatcaaac ggagctttaa tcgaacaaca accatcagtc 120
gttgtgaaga aaccaccggc gaaagatcga catagcaaag tcgatggaag agggagaaga 180
atccgtatgc cgattatatg tgctgctcgt gtttttcagc taacgagaga gcttggtcat 240
aagtcagatg gccaaacaat tgaatgggta cttcgtcaag cagagccttc tattatagct 300
gcaacaggaa ctggtacaac tccagcgagt ttctcaactg cttctgtctc tatccgtgga 360

gccaccaatt ctacttcttt agatcataaa cccacttctt tacttggtgg gtacg 415

<210> 10732
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C10

<400> 10732

tatcgaagtt tgagctaaga atccaattta gggttaactt tgccggattc tcaagcaatc 60
tccgagagag acagtgaggt ttcgatggcg aggaacggga ttgggagttc aggagggaag 120
aagaatgggg ctgggcagtt tttcttagcg acgctgcttc tttggcttgt ctccgtcgtg 180
tttgagattg ctttcaatct ccggacggag cttctctggg tgatttgcgg tggatgcttc 240
tttcaattga tgaattgggt tgttcgttca tggatttctc gtgaccctat atttgtaat 300
acctctgtct cgcttttgca ctcaatcatc acctccgat cagtggtttt cataacttctc 360
aatcaaatgc ttagcaaaaa ggttttagacg aagatgtttt gatnattcc 409

<210> 10733
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C12

<400> 10733

cggatcatcg gaaacgacgg acgttcttct ctgtcttgct gttccgtgat gcagagccag 60
aggcttaatc cttcttctcc cttcggcact tcttcgacaa atctccgtca ctccaagtcc 120
tgtgagctct gggaatcaac aaaacgacct aaaacacagt tgattcgag agcttttagc 180
gcaaacgtcg atccgttttc cgaggaagag tttgcgaaaa agatgcagga gctaactctc 240
aaattccaag tctctaacga agaanaagac aacgaatcgg atacacgcat tgacgattac 300
actcgaaaga tgggcatant aggaagccat aataatttca ggtcagattc aatggaancc 360
gccatggcca gagatggtgc aaatgtcaaa acatccgaag aaggaaacan ac 412

<210> 10734

<211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-C6
 <400> 10734

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 tgttgattga agaacgctaa tcgtttgttt ttttaattgt ttgcgttaag ttaaagctac 120
 ttgttgggac gtcaaagcaa cgcttctttc gattctgact ttcataataa tactaaactc 180
 caactttttg atttctctgc tacttttgtt cttctctttt acttccccag atacatcaat 240
 cgatcaattt gcaaaacatg tctgttgagt tatgttcggt gaggcctttg tttggtggcg 300
 ctatttccac cgtcttccct caaagatttc aggatgtgag taatatccga caagttccag 360
 atcatcagga agtggtttgtg gatccttcaa gagatgagag tttgattttt gagttgttgg 420
 attcaaggct gaggttggtg acattggcaa ntgcctcctg gggttcctta atgattctt 479

<210> 10735
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-C7
 <400> 10735

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 tgaaactctc tctctctcta gtctctatct ctcttcttca tccttgagct ctgttagatt 120
 ctctctaact ctaccatcgt ttcatttctt aattctctgt tttcttggtc ctccagagtg 180
 atagatctgg cagagaacaa tgtcggaatt agccaattag gtcgccgaga taaaacatg 240
 gaagcgagga tgaagaagta tagcagagaa gtgaagtcca gagagagcan aagtctggac 300
 tgagganac ancaanagtt atcatcaana gatcangaaa gtcaaaattg tttanacct 360
 ctccaagaan tcgtcaactt tgaggcatnc ctacttcan tggaangtgn tgnnttccgt 420
 cccaanatt ggggttannac taaagagaat gttancagna gaagggtta antgttcctt 480

<210> 10736

<211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-C8

<400> 10736
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 tttaagcaaa gaggaactg ttttgcttct agatccgatc caatccaatc aaacaaagga 120
 tccgattgat cagaaaaaat ccaccaaatt tctcaagatc gaaacatata attgaagatg 180
 agcgacgtat ttgaagggtg cgagcgtcaa tactgcgagc tctcaaccaa tctctctaga 240
 aaatgtcact ctgcatcggg tctctccaac ggagaggaga agaaggggaa gattgctgag 300
 atcaagtctg gaatagacga agctgatgtc ttgatccgga aaatggatct tgaggcaaga 360
 agtttgcagc cgagtgtctaa agctgtgtgt cttctaaaac taagaaagta taaatcctga 420
 tctggaacaa attgnngnaa gggaatnaaa cgaatcccct tccgcangat gcctaaaccg 480
 tnttcccggt 490

<210> 10737
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-031-Q1-E1-D10
 <400> 10737

acgcgtccga ttatcgatac gatatacagca gtacatgctc tgtatccggt gctcggttta 60
 ctcaaagtca acggaaagct cattgcttta ggcttacctg agaagcctct cgagctacca 120
 atgttccctc ttgttctcgg aaggaaaatg gttggaggaa gtgacgtggg agggatgaag 180
 gagacacaag agatgcttga tttctgcgct aagcacaaca ttacagctga tattgaattg 240
 attaagatgg atgagattaa cactgcatg gagaggcttg ctaagtctga tgttaggtac 300
 aggttcgtga tcgacgtggc taactccttg agccctccat gaatgatccg gatctaagaa 360
 ttgagcattg aggaggcttt aaatctatgt cataatcctt ggtgtttg 408

<210> 10738
 <211> 456

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-D2

 <400> 10738

 ggtccanaat aaacgggtcc agcncgcgtc cgcatttcnt acatattctc ttgacgatca 60
 tgagactgat ttcgtgaaaa tatcgtcatt atatcaaatt agaagttgat ggaaaacatg 120
 ggggattcga gcatagggcc gggccatccg catctccctc ccgggtttcg gtttcacccg 180
 actgatgagg aactagtagt tcattacctc aagaagaaag cagattctgt tccacttcca 240
 gtctcantca tcgcagagat tgatctttac aagtttgatc cttgggagct tccaagcaag 300
 gcganttttg ggngagcacg agtgggtacn tctttaatcc cccgggatcc ggaatttcca 360
 aatgggggta agccaaaacc ggggcagcaa ncntccggtt nntggnnaag caacngggaa 420
 ccgntnaacc gantattttac gngccaatag tccacc 456

<210> 10739
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-A5

 <400> 10739

 aanggggtcca cgcacgcgtc cgcncacgcg tccgctcacg tccgccgat ttcnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccttttgag atatggacag cttctggcaa 120
 ttaggtgatg agctacgagg tcagacgaga gcatcagagg atcacaaatg gtctactggt 180
 gcaacgaagc tagctgagca aactagaatg aaaggggaga ggatgaacaa tcttgatctc 240
 tccaaagggt acactgagtt tagaccaagt gagaaattca gtttccagga gaacaatcct 300
 taacttcaac atgttgaant ttggatggta aatttgggtga aaagcatcca ngggggaaaa 360
 cntccgatgc cacaacaact gttnatanta tgaaatacct ggttttccag aanaaatgac 420
 ctttaagaag ttgganggca acattgaaag ttaacaagtt anaatgggta atg 473

<210> 10740
 <211> 405

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-A10

 <400> 10740

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 gtagtaaaat aacattagtgt ttaactttat tttccagtta tttcatatca acagatgctg 120
 tgaatggatc atttcctgcg cttttggcctt ttggagattc aattctcgat actggcaaca 180
 acaattttct cctgactttt atgaaaggaa atatctggcc atatggaagg agtttcagca 240
 tgagaagggc gacaggaaga tttggaaatg gaagagtttt ctctgatata gttgctgaag 300
 gtttagggat caagaagatt ttaccagctt atcgtaagtt gttcaattct ccaagtgacc 360
 ttagaactgg tgtttgcttc gcatcagggtg gtgcangaat tgacc 405

<210> 10741
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-A11

 <400> 10741

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 agatctctct catggcgatg tctttctcag gagctgttct cactgggatg gcttcttctt 120
 tccacagcgg agccaagcag agcagcttcg gcgctgtcag agtcggccag aaaactcagt 180
 tcgtcgtcgt ttctcaacgc aagaagtcgt tgatctacgc cgctaaaggt gacggcaaca 240
 tcctcgatga cctcaacgag gccacaaaga aagcttcaga tttcgtgacg gataaaacan 300
 aagaggcatc agcagatggt gagaaagcga aagactacgt tgttgaaaaa aacagtgaaa 360
 ccgcagatac attgggtaaa gaagctgaga aagctgcggc gtatg 405

<210> 10742
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A3

<400> 10742

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agtgcattggt tcttgatnaa cgaagccttg tncnatattt gcttcaggag gctcaaactc 120
antaccccca nctttgggtga tttgaaccat ttgatattctg ccactatgtc tgggtgtgact 180
tgctgtctga gggtccctgg tcaactcaac tctgacctcc gtaagcttgc tgtgaatctc 240
atcccatctc ctcgtcttca cttcttcatg gttgggtttg ctctctcac ctcaagaggt 300
tcanagcagt agcgtccct cacagtcctt gagctcacc agcaaattgt ggactccang 360
aacatgatgt gtgctgcaga cccaacgcac ggacgtacc ctacancct ctgccatgtt 420
ccgtggcaan gatgagcaca aatggaantt gaccgagcag at 462

<210> 10743

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A6

<400> 10743

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ggagggaaac tcaatcgggg tctctctggt gttgacagtt tcaaactttt gaagcaaggc 120
aatgatttga ctgagcaaga ggttttcttc tcttggtgctc tcggttgggtg cattgaatgg 180
ctccaagctt atttccttgt gcttgatgat attatggata actctgtcac tcgccgtggt 240
caaccttgct gggtcagagt tcctcagggt ggtatggntg ccatcaatga tggggattct 300
acttcgcaat cacatccaca ggattctcaa aaagcatttc cgtgataagc cttactatgt 360
tgaccttggt gatttggtta atgaggttga gttgc 395

<210> 10744

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-B12

<400> 10744
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 tagtgaatgc accaaccctg cccaaatata caagaaagtt acatcgggga agttgcctga 120
 ctcatccat ctaatccaac acacggaggc ccaacgtttt gttggtaaata gcttggaac 180
 tgtgtcaaga agattgcctg caaaggagct cttagcggac ccattccttg ccgcaactga 240
 tgagagagat ttggcgccctc ttttttagatt gccgcaacaa ttggcaatcc agaatttggc 300
 tgcaaatgga acggtggtag agcatctgcc gtcaacgact gatccaacta gaacaacaga 360
 tatgtcaata acaggaaaga tgaactcaga agaccacacc atcttccttc aagtacagat 420
 tctagatggc gatggtcaca tgaggaacat tcagttcccg tt 462

<210> 10745
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-B4

<400> 10745
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 agaaattctc cgacaagaaa ccggagagct ctgatccgga gccaaaccac aacaaaaaca 120
 aaccgggtca caccgagcca acaacacata aaccgggtca cggcgagcca acaacacata 180
 aaccggtctc caacaccgat ccaacaacac acagaccggc tacgaacgct gagctcatgg 240
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 ttgacaaagc caaagtcgcc ggagccaccg ctgatattctt agacgccgct tctanatacg 360
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-029-Q1-E1-B5

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gaggctgatg gttaccagcc tcacttgatt gctcctgagc aagggttaccg tcgtctcatt 180
gagtcttcta ttgtctccat cagaggccct gctgaagcat ctgttgacac cgtatgaact 240
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgaaga acaatagaac cagacgaggt 240
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agcagtattg ttgtgattgg acttagtatt cacacagctc ctggt 405

<210> 10748
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-C11
<400> 10748

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gtgccgatga agagcaagct gctgaagcta cagccacggc ggcagattca cagagtttcc 240
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<210> 10749
<211> 381
<212> DNA
<213> Arabidopsis thaliana
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<400> 10749

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tttgctcttt atcttgtgtn gctcccttgc cacagactaa acagtcncgt ccaagttttc 240
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caaagagtcg gatattagtt a 381

<210> 10750
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-029-Q1-E1-C2
<400> 10750

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acagagaggg acagagagag aaatatttca ttcgctactc tctttaatac cgccattgat 180
gcaacctcct tcgcgtaaac tgtcaaaata ctccccaact gacaaaaatt aaattccttt 240
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<210> 10751
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-029-Q1-E1-C3

<400> 10751

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gggttttctc gtgctttgat tcctttcaag tcaaagcaaa gcattacctt ttctcgtcca 180
tatcttttga cgacctaaagt ttctgctgtg aattgttaaa cagccatcag cctgggcttg 240
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attccattct acgaaagcag ccagccaatt attgtgttta ctttgg 406

<210> 10752
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-C4

<400> 10752

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tcatcaacca agtctcaggg aggagccacc gtggtaatct ctccggctac aagcgtttac 180
gagctccttg aatgcctgt ctgcaccaat tcaatgtacc caccaaattc ancagtgtca 240
anaatgggac atactttatg ttcaacctgt aaatcaagag tgcataatcg ctcttgagaa 300
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<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tcgctgatca ttggtttgcg catcgctcga gctcacggcg cttttcgtaa taccgatgat 180
 ttgtttcttg atgaagaaag tgctcgccgt ggtggcctgg tgtctgccgg ttctggtaac 240
 cggccaccgt cgagttatac cccaatttga gtaaaccggg ttggagaatt actcgtaatt 300
 tcttgggttt ttgattgaag aagctaaggg aatcaattta aggcntttgt natttgggat 360
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 gaaat 425

<210> 10756
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10756

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 ttgttagata gtgttctctt tgtagcaatc acaggacaag tccctcgtcg tatgattggt 180
 acagatgcgt ttcaagagac tccgattggt gaggtaacgc gttcgattac gaagcataac 240
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<210> 10757
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10757

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ggtttttaca atcgctagtg gccccagggg aaatgatcgg ttgtgttgct gctcaataat 240
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aagaaattga gtatggcgga taattgccgg agaaagatna accttgantt cgatgatgac 420
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aagg 484
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<210> 10758
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-G11

<400> 10758

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ccgcagaact caagaggctt atctgctttg ccgctcctat ggcggctggt gttatcgctc 180
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tgtcatgtgc cttagatact ttgagtgggc aagcttatgg agctaagcta tatcggaaag 360
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<210> 10759
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-G2

<400> 10759

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 taactataaa ggaagagcat acactcaaag agttgagcca acccttgctc ttgttgaatc 240
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 gataagagct cctggtatga gtccgttaaa gataccgttg actacgcaa gctcggtagc 360
 ataaggtgtg tcgatgtggg aatggtctgg ctctgctttt gatgaacgag aagaagctcg 420
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<210> 10760
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-G3

<400> 10760

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 aaaaatggag gcttggggat gattatagcg aatggtgtgt ttgacgggtga aggttttagta 180
 gctgattgcc acgtgttacc ggcgacatct gttggtgctt ctggaggaga tgagattcgt 240
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<210> 10761
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G5

<400> 10761

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gcttgacaaa cttggtggtg catttgcccc aaagccgtct tctgggacca cataagtcaa 180
gggagtgcct tcccctcgtc cttatcatca ggaacagggt ngaagntatg ctcttaccta 240
ccgtgaantg atttcaatct tgatgcaaag gcatatccaa tttgatggga aantcaggac 300
ggncaaggac ctaccctgct ggtttcatgg atgtngtgct aatccccaag accaatgagn 360
aacttccgtc ttncnratga taccaaggga acntttccgt ctccaancca tcaagggtta 420
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<210> 10762

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G6

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gcaaaccaaa atgtgtgaag ccacttctcg aatatcaggc atgtgtcaag agaatccaag 180
gtgatgattc tggccacaag cattgcactg gccagtattt tgactactgg caatgcattg 240
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ctctattgtc ntgagtttgc tacatgtggt ttaaanattg atcgtagaaa atnncangtg 360
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<210> 10763

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G9

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tcaacatccc taacatctca gcagccacca tcacccccct cacagcttcc cctccgtaca 180

atgccgggat cgtacggctg gccgttggtt ggaccattat cggaccgttt agattccaag 240

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tcgggagactt ccggcctaac cttgggggttc tacggcgg 458

<210> 10764

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-H1

<400> 10764

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catcgccctaa tcttcaagcc ttggcaaaaa ccacacttga ttctacacaa gcgagagcta 240

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<210> 10765

<211> 419

<212> DNA

<213> Arabidopsis thaliana

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<223> Clone ID: LIB24-028-Q1-E1-H12

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 aagacctcg nctccattgc cctatgcagt gatacctaac atgcctggac gcttaagacc 360
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 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
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 aatcaatggt tattatgaat catgtaaacc ttgtaatggt tctgatttgc atgataattt 180
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 10770
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10770

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 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10771

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<210> 10772
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 10773
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 10774
 <211> 407
 <212> DNA
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 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 accgcgtgct attgttaaatt tcttgggagg tgccttcgtc ggagctgttc ctgaactcac 300
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 caatgttaca tttgatcatg aacaagctgc taangcaagt ttangagaag gtttaattca 420

tgcttggacn cgatgtccca tcggaantca a

451

<210> 10776
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-D3

<400> 10776

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cataaaccta tttgttgagc caggcttggc ttaaccactg gcctttttcc agactaaatt 120
atgtattgct cttcttcgat gcatccaaat gcaaacaaag aaaatatctc tacttcagat 180
gtacaggaga gttttgtacg aataacgaga tcacgagcta aaaaagccat gggaagagga 240
gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag 300
gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaggg angcaacatc 360
aaggcaaaca gaaaatgtct aaaagagcta aaanaagcan caaaaggaag gggctaaaaa 420
gtgccatgg 429

<210> 10777
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-D7

<400> 10777

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ggatagcttc aacgtctccg atcttactgc tgctcttaag gacgaggatc gagctggcct 120
tgtcaatgct ctaaagaaca agctgcagaa tctggctggg cagcgttctg atgtgctcga 180
gaatctgact cccaatgtga gaaagcgcgt tgatgccttg agggatatac agagccaaca 240
tgatgaacta gaggcaaaat tccgtgagga gagagctatt cttgaagcca agtatcaaac 300
gctgtatcag cctttgtatg tcaagcggtta tgagattgtg aatggcacta ctgaagttga 360
actggctcca gaggatgata ccaaggtgga ccaaaggaga agagaaaact ggana 415

<210> 10778
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-D9

 <400> 10778

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atgatctttc tccattatct cttactcgaa accctagcag catcagtctg atggtgaaag  120
ctagtggaga aagctcagat tcatcgactg atctcgacgt tgtagtacg attcagaatg  180
tttgggataa gtctgaagat aggttaggtc ttattggttt gggttttgct ggtattgtag  240
ctctttgggc atcattgaat ctcatcacgg caatcgacaa attgcccgtt atctcgagcg  300
gattcgaact agttggtatc ttgttctcca cgtgggtcac atatcgatat ctcttggtca  360
aaccggacag acaggagctt tcgaaaattg tcaagaaatc nag                        403
  
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<210> 10779
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E1

 <400> 10779

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atccaatccc aaaccatttt gctcttaaga ttcttcacat agagaagtca catgttcctt  120
cttctttcttc cttcatcatc cccaaacaca cacaactaa aaaaaaggca aaaccctaga  180
tccaagatca gacctaattc aatcgaaact catagctgaa aaatgaagag agatcatcac  240
caattccaag gtcgattgtc caaccacggg acttcttctt catcatcatc aatctctaaa  300
gataagatga tgatggtgaa aaaaagaaga agacggtgga ggtaacatgg acgacgagct  360
tctcgctgtt ttagggntac aaagttaggt catcgggaga tggcggaggt tgctttgaaa  420
ctcgaaacaa ttagagacga tgatgagtta atgttcaaga agatgggtta n            471
  
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<210> 10780
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E11

 <400> 10780

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 gctacaccta ctgcttccgc cgtcgccaag gtgacagaaa ccaccannnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc aacagccgcc acaaccaccg 240
 gttgtactaa gcccttgtgc ggcttgcaag attttgcggc ggcggtgcmc cgataaatgt 300
 gttttggcac cgtactttcc tcctacggac ccggcgaagt tcacaatcmc tcaccgtgmc 360
 tttggagcta gcaacattat taagttcttg cangaacttc cagaatcmc aaag 414

<210> 10781
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E4

 <400> 10781

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 acacgtatct acatgaagat gaggatataa atatccattt atgagaaaag aaaaaaggg 120
 acaaacaaaa gttggcaagt ttaactaagt gaaaagtcta tggcggagac aacgagttgg 180
 atcccagtat ggtttctctt gatggtgttg ggatgttttg gtctgaattg gttggtcagg 240
 aagggtgaatg tgtggctcta tgagtccagc cttggggaga acaggcacta tctgccacca 300
 ggtgatttgg gttggccttt cattggcaac atgttgtctt ttctcagagc tttcaagact 360
 tctgacctga ctcttctact cgcactttta tcaaaaggta tggacctaaa ggtatatata 420
 aagcacacat gttccggaac ccnagtttta anagttacca act 463

<210> 10782
 <211> 421

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E5

 <400> 10782

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 ttaagagaaa ttccaggacg gctggctgaa atgcctgctg acagtggata tccagcctat 120
 ctagcagcac gtttagcatc tttctatgaa cgtgctggta aagtaaaatg tcttggtgga 180
 ccagaacgta acggaagtgt tacaattggt ggtgcagttt cgcctcctgg aggagacttt 240
 tcagatcctg tgacttcage aacccttagt attgtgcagg tcttctgggg tttggacaaa 300
 aagcttgccc agagaaaaca ttttccctct gttaaattggg ttgaatttct tactcaaagt 360
 nattcaanng gcactnggaa tnccttccaa tgaagaaant tccgattcca agaatttcan 420
 c 421

<210> 10783
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E8

 <400> 10783

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 agtttagcta caaagtctgt cttcatcgaa ttaagatcta tctgattttt ctgggtgggt 180
 ctcatgtgtg agatttttga tgggtttaga gttgtcggat atggaagggt cttcttatct 240
 ttgatttggt ttatatatta agcggcagaa tttgagggtg acntgagcga gaatctggat 300
 tctttcgang gagtanttaa tggtccctgg agaattccct gtttttggcg tccaagttnt 360
 ccagttttcc ngagtgggta a 381

<210> 10784
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

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 tccggtggcc gccatgagca tattaacta cctaaagaac atgacatccg tcgtgtgtat 180
 gggacgactc ggtagccttg agctcgagg aggagcctta gccatcgggt tcaccaacat 240
 caccgggttac tccgtcctct ctggttttagc caccgggtatg gaaccattat gtggtcaagc 300
 catcgggttct aaaaaccctt cactcgcttc cttaaccctc aagcgaacca tcttctcct 360
 tctcttagct tctcttccca tatcaatcct tttggctaaa nctcgngcct cnaaaggctg 420
 aatgcccc 428

<210> 10787
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-F5

<400> 10787

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 cgtctgccgc cgtgagagaa tatcattggg aggtggagta caagtattgg tcgccggact 120
 gcaaagaggg cgccgttatg accgtcaacg gcgagtttcc tgggtcccacc ataaaagcct 180
 tcgccggaga caccatcgtc gtcaatctca ccaacaaact caccaccgaa ggccttgtca 240
 tccattggca tggaatccgt cagttcgga gtccatgggc agatggagca ncaggagtta 300
 ctcaatgcgc aattaaccct gganagactt ttacctacaa ttccactgtt naaaanccgg 360
 aaacacattt ctaccatgga cactatggca tgcagagatn agctgggcta tacggatcgt 420
 tgattgtgga cntgg 435

<210> 10788
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-G1

<400> 10788

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caaaactcca ggaggtaaat tgacgtacca gaccactaag aagagagcta gtggacctaa 180
atgtcccggtt accggcaagc gtattcaggg tattcctcac ttgaggccaa ctgagtacaa 240
gaggtcacgt ttatcaagaa acaggaggga ccgtgaaacc gtgccttatg gtgggggtttt 300
gtccgggttc tgctgggttan ggaaaagaat catccgtgcc cttcctgggtg ggaggagcaa 360
aaagantggt gaanaaaggt tttgaaagcn tcaagaaagn aaanggaaaa aggtgctccc 420
caan 424

<210> 10789
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-G10

<400> 10789

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tgcacccggt cgatgttccc aatgggggtg ataaaagatg ttacggtgng agattcttcc 120
accgaaccct atatcgttgc gcataaccag cttcttgctc atgccacggt cgttgatcta 180
tacaggacga gatataagta ccaaggaggg aagattggac ctgtgatgat aactanatgg 240
tttctaccat atgatgacac tctagagagc atacaagcaa cttggagggc caaagaattc 300
ttcttgggat gggtcatgga gccgctaaca aagggtaaat acccatacat catgaggaaa 360
cttgttggtg atcggttcc aaagttcaac aagcacagaa gctcgctttt taaagggttc 420
aaaatgattt tcttgggncc aactattact cactcaatan agcccannc cttganccc 480
aagtcctccg ggaaaaattc ct 502

<210> 10790
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-G2

cgctctagta ccgcgagctc ggacgaacca ggaagcaatc cgtaaatacta gaagcgggtgt 240
 tgagaagatg acgattacat caaatatctc tgtacagaac gataacctcg ttgttcaagg 300
 gaagactatc cttaccanaa tccctgacan cattatccta actccgggta ccggtaactg 360
 gattcgtttc cggttcattt ataggcgcca cgtttgaana nagcangagt cttcatgtgt 420
 tcccatcggg gtattggcan ggtcntcggg tcatgtgccg tttcgggta angccagggg 480
 gggatgga 488

<210> 10793
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H2

<400> 10793
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 attttgtttg ggtgatgtaa aatgttgtca gtggatttta ggtgaggctt aatctcatgg 180
 attattcttt tgaaatcccc tcaggtgaat cagtgaaaat tgagaaagtg atgttcaact 240
 tcttatctct taatccttca tttgctctgt cacacattga agcctatttt cggttgcagt 300
 ttgttaagtt ttcattggga gcgttgtctt tggagtgttc tgaagttgac tttaatcctg 360
 aaagaagaag gatatgcttt tactgaagtt atcatggga gcaactttttg tggagtttac 420
 aggagtgtct atgccgttgc agtattcgag ggatcgctt tgatctgcca gtccgttcct 480
 tggtta 485

<210> 10794
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H3

<400> 10794
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ggccagcttg aatTTTTTcaa cgtggatgag ctcgagacaa tggccacagc tgaacacttc 120
atggccacgg atatcgaatg ggacccgact ggaaggtacg ttgcaaccgc agtgacatca 180
gtccatgaga tggagaatgg gttcaccata tgggtctttca acgggattat gctttaccgg 240
atattgaagg atcattttctt ccagttggct tggcgctcaa gacctccatc attcttgact 300
gcagagaagg aagaagagat agcaaagacc ctgaagaagt acagcaagaa gtatgaggca 360
gaggatcagg acgtgtcgtt gctgttgagt gaacaagaca gagagaagag aaaggcattg 420
aagggaagaa tggggagaaa tggggtaatg cagtgggaagt ctctgcatga aaganggaga 480
aaccctgtaa g 491

<210> 10797
<211> 196
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-H9

<400> 10797

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ttctaattgct ttattctgga tcttactgct gtcgtattta ggtgatgttt gataaaanan 180
aaaaanaaaa aagggc 196

<210> 10798
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-A12

<400> 10798

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tngcgancaa ttccagattt ctgcttcant caatctcggg angtncaattc tccaccgtga 120
atcccantcc aactgcttca cctgatcgtc gtacttgctg cgaattcgat aacctcagct 180
tcaaagccgg aagctccggc gatttcgaag ccgtacgtcg tctcctcaac agccgcgtcg 240

taaacgcgtg tttcaacacg acagctactt tcaaattcct aacaaacaca gactcttact 300
 cctcctcctt agaagatctc cgccgtatct tgccctcagac cgacgccggn gtacactcgg 360
 aaacactcct acgaaactct cancgctcgt ctctgnaaac tcggggcg 407

<210> 10799
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-A2
 <400> 10799

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 gatgatatta atggctgttt tgggtctggtc agtgactcta gagacctgca ttgccagaag 180
 aggaagacat tggngacata nccaccgaag ctcttctgac ttgtctgatt ccttgtcaaa 240
 caagaaaccg aagagccatg ggaacagtca ccaccacagt tctcacaaca acaaccatca 300
 ccacaagtct aaacctaaac cgaaaccaa gctgaaaacg ccgccaaaag ctcangacan 360
 taactctccg gtgggtttcag ggccaccaan ngccaacca acgcctcttc cgcctcanaa 420
 gggatctcaa gttttcaatg tgatgggatt ttggngc 457

<210> 10800
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-A8
 <400> 10800

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 aaacccaaaag ccgtaagaag ttcaatttca gctctcaga cacagacaat aaatactgaa 120
 aagcttgaag ataaattcgg acgaaaaggc ataaaattct cggaatcaaa caacattcct 180
 atggtagagc ttaagggtcag aaatggaagt tcattaaaac tgagtctatc agatgctcat 240
 gtactttcat ataagccaaa ggtatactgg aaagacgagg gattcgagga agtcctttac 300

acagttgatg gtgatgagag cagangtggg gttggtgttg ttatcgtaaa cggggaagaa 360
cctaaaggag ggtcttcagt aatctcagga tgtgattgga gtgtcaagg 409

<210> 10801
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F4

<400> 10801

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cgcttgccct ttaaattcct ctccaagctg atctgatctc cgttaccgat ggagtctact 180
gctaacgcac tcgtcgtcaa ggtgagctat ggaggtgtgc ttaggcgttt cagggtgcct 240
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gtggttgccc ttgttgatga caacgatctc tttgatgtta ctaatcagcg tcttaagtcc 420
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aa 482

<210> 10802
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-A9

<400> 10802

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aaagaagcta aagacttgaa acatacagct gaccgtctca agaattctgt atcaaacctt 180
gagcacattg agctctactt ccaagcttgc cttaagtttc ttcacggtgc ttttcttttg 240
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tatagtangc actgcgaatc tttgcggatt ttgtgcccac gagtatgaga agtctaaaga 360
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<210> 10803
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-C7

<400> 10803

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tgcgacactt gtggtttctg gtgatggctg ttattattca gagcaagcta ttcagattat 180
agtaaagatg gcagcagcta atggtgttag acgtgtgtgg gttgggtcaaa acagtctgct 240
atcaactcct gcagtatcag ctattattcg tgaaagagta ggggctgatg gatctaaagc 300
cacaggagca tttatcttaa cagcaagtca taatcctggt ggcccaactg aggatttcgg 360
aattaantac aatatggaaa atggtggacc agctcctgaa tcaatcactg ataagattta 420
cgaagaacac aaagac 436

<210> 10804
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-D1

<400> 10804

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tattgagagc tatggcacta cgatcagtaa gcaggaggct cgggagcaga attttgaatc 180
aacgttcctt tggtgcttcg cttcactctc atgccacaag tttcgggttt caagaagtaa 240
aggaagaaga gaaaagcana ttggttggtg atgtattcac caatgtagct tcgagtttat 300
gatattatga atngatgtga tgagtgggtg tttgcatagg ctaatngaaa ggaaanactc 360

ctttgggaaa gccnaagtcc aatnngcaac gggatgaann catcttngat gttggccgga 420
 gggaacaagg tgatgttggc cttttaggat ctaatgattg ctgtttacag ttgtcaaacy 480
 aaganccatt gcaggaaagt tgattnaggc ttc 513

<210> 10805
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D11
 <400> 10805

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 gagaagcaag gacattgtga agttcaaggt caggtgctca aggtacctct acacactatg 180
 tgtcttcgac caagagaagg ccgataagtt gaagcagtct cttcctccan gtttgagtgt 240
 gcaanacctt tgaagatctt atgaaatcag gatctatcat ggntttatat acccttgtct 300
 tagatgattt tgttttttcc ctttctgctg tccttttgaa tgacnatgat tcaaacttcc 360
 gttgagtttc cttcntataa cttcangaen anaatttatg aattgtgggt gnaanntttt 420
 tttgcaaaaa aaaaaaaaa 438

<210> 10806
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D12
 <400> 10806

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 tatgagtttt gattatccgg atcctgatct tcacgangat ctgtatcagc tgatcaagta 180
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aaagaaaatt agggatctcg ataacaccga gaaaaatctt gatattgacg aagacaacga 360
 tgagtgggat tttgatggan acgatgatgg tttagagact gatgatcaat cttcctgctt 420
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<210> 10811
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-E11
 <400> 10811

gagctctttg ttcattctctc tatctttcttc tccatctctt tcatcactct cncatcttct 60
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 cctcccccttc tatctctctg gaacccccga accgactggt gtaccggctg gaccggcgctc 180
 gaatgcacta accgtcgcgt taccgggtctc agcggttacct ccggcggaagt ctccgggtcag 240
 atctcgtagc aanatcggcg acctcggtga cctccgtaca ctagatttca gctacctgcc 300
 acacctcanc ggaaacatcn acgcaccatc accanactca anaanctcaa cactctctac 360
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<210> 10812
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-E12
 <400> 10812

gagttactgt atgtcttctt gtctgctgca accattccat acattgggtt gctattcatt 60
 tgcttgtagc acgatgttcc agtcccaggt tatcggctag gagctgaggg acgggtttggg 120
 atctacctag ctacaatggt tgtcatttat tgcatactct acagcatcga ggactttgat 180
 gtgatgatgg aagtgtcatt tctgggtgatt atgtctataa taggagcgggt tacaatcggt 240
 caacttcatt ctctgcccga ggattttaa tccagccgaa ccacattcat actatttcta 300
 gggacgatgt ctgctattct ggggttgtaga gcgaangatt cntggatgtc cctttccggt 360

ancctctgtt tcctcatggt tgtcatgtgt atcatcaaaa ccaactgctt ggctgcngat 420
taatttgga aaa 433

<210> 10813
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-E5

<400> 10813

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ttaccttgaa aattttgtcc aggcaacggt caatgctctt actacagaga aagttaaagg 120
tgcgacactt gtggtttctg gtgatggctg ttattattca gagcaagcta ttcagattat 180
agtaaagatg gcagcagcta atggtgttag acgtgtgtgg gttggtcaaa acagtctgct 240
atcaactcct gcagtatcag ctattattcg tgaaagagta ggggctgatg gatctaaagc 300
cacaggagca tttatcttaa cagcaagtca taatcctggt ggccaactg aggatttcgg 360
aattaagtac aatatggaaa atggtggacc anctcctgaa tcaatcactg ataagattta 420
cgagaacaca aagac 435

<210> 10814
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F10

<400> 10814

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tgtttgagaa gacggtggcg aatagccctg aagctttaca gagtcacac tcgtctgagt 120
ctgctttcgc gttgaaagat ggatctctcg ctactcattt cgcttccgtg aatcccaact 180
ccgtcacgct taacttcgga tcttcnggat ttgttgctta ctctcgtgat aatcctgatc 240
ctcgtgttcc tagattantt gctgtggtgg angatatttt cngtcacttc naaggnnaca 300
ttgagaacct accgtttcga gaagcaacag tatggactga acatnatcac aaacgaggnc 360

atcattgtga ttgaggctta naag

384

<210> 10815
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F11

<400> 10815

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actaataaag aagaagaaga aaacagagca attaaagtcc tttaaattctt ttcttctcca 120
attcaatggc tcttccgttg ccattgatct tccttatctt ctctcatttg ttcgtttctg 180
gagttagatc aacgagcttc attatggtga acaaatgcga atacacagtc tggcctggac 240
ttttatcaaa cgccggaggt ccaccacttc cgacgaccgg attcgttctc caaaaaggcg 300
aagaacgaac aatcagcgct ccaacttcat ggggaggaag attctggggg agaactcaat 360
gttcaccga caccgacgga aaattcactt gtctcaccgg agattgcgga tntggtaccc 420
tcgaatgctc ccgggttcgg gngnaaacac cagcaggcaa cactangcgg ggattcagac 480
ctagacnggt 490

<210> 10816
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-026-Q1-E1-F2

<400> 10816

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tactatcttc ggccggccaag cacattggac agttggactt gttgctatat tgatttcttt 120
ctgtggtata attgcctcag acacgtttgc ttttcttggg ggcaaggcat ttggtagaac 180
tcctcttatt agcattagtc caaagaagac atgggaagga gcttttgcag gacttggttg 240
ttgtatttcc attaccattt tactctccaa atcgttgtcc tggcctcaat ctcttgtcag 300
caccatagct tttggagttc ttaacttctt cggatcggtc tttggtgact taactgagtc 360

aatgatcaaa cgtgatgcgg gtgtcaaaga ctccgggtca ctcatectgg gacacgggtg 420
catattggac aga 433

<210> 10817
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-026-Q1-E1-C6
<400> 10817

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ggcaatggct ctccaagcca ctactactac gttctgcttc tccgggtccaa ctttccgatc 120
aactcctcac tcaactcactt caaaacgtcc tatctccatc aaagctacta cttcttctcc 180
ttcaagactc tccaattcac gatctaattc caaaggaaga gcattgtcta gtgatgggtc 240
aacacaagaa tctccttatg tagtctgttt tggagaaatg ctaatcgatt ttgtaccgac 300
gacaagcgga ctttcattag ccgatgcacc ggctttttaa aaagctccag gtgggtgcac 360
ctgctaattg agctgttggg tattgctcgt cttgggtggt tcttcagctt tcattggaaa 420
ggtggtgaag atgagt 436

<210> 10818
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-H1
<400> 10818

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cgggggttgca ctagctcttt tgacattcgc cgggtataacc ctccggcggt cagtggtcgc 120
atgtatcata agcacaccac tttttgtcat tttcagtcgc gttctcgtgc cagcgactat 180
agccactaca ttgctagctt caggtttcac agcctccggt tcctttggtg ccacggcttt 240
caccatcctt tcgtggctct acaagaaacg tacagggagg gactaccagg gaattcagga 300
ntgacgccac cggctcccg cgtctanncc agcaagttcc gggcgtntaa accaacagna 360
atcgggggaa atacgaatan ggcgggtccn aantttggga tgaatgtata aangaacttt 420

gata

424

<210> 10819
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H10
 <400> 10819

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 ttgtatcttc ttcttgacaa cgaccaatgc tcaggtaatg catagacggc tctggccttg 180
 ggcattgtgg ccacgggcgt atccacagcc gtgggcaatg aatccacaac actgaccatc 240
 acaaagcctg tcgcacaact ggccaacatc aaaaactgtn gcacaacaag gccaaactcaa 300
 gccgttanca acaagcaaag gcttnaancn aggncccaac aaggcccttc ccaattcang 360
 ggcaataacc nccanctaag gntcnaacaa angncagtgg nnacnacnnn atggccccc 420
 aaaactccta a 431

<210> 10820
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H11
 <400> 10820

gaaaaaagaa aaaagtatgt ctcttcttcc ccattctatc ctctacctaa cacttttgac 60
 ggtggttggt actggagaaa ctctccgacc aagattctac agcgagacat gccctgaagc 120
 tgaatccata gtangaagag aatgaagaa agcaatgatc aaagaagcaa gaagcgtcgc 180
 ttccgtcatg cgtttccaat ttcacgactg tttcgtcaat ggatgtgacg catctctggt 240
 gcttgacgac acaccaana tgcgtggtga anaactagcn ctttccanca tcgattcact 300
 aagatctttc gaagtcttga ngacnttcaa cgaagctcta cananagctt gtccagctac 360
 tgtttctgt gccnanatcg ttancatggc cgctcgtgaa gccnttgcce ct 412

<210> 10821
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H12
 <400> 10821

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 attttagtgc tcaaacaaag taaactcaaa ggaaacagct cctgatcaga tttagggctc 120
 tatgagtagg ttttaagtct acaaagataa cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncntcccntt acaagtaaata 240
 ccttcanttt ttactcctgt ataatcatat tttccttggt gttagttccc taagtttcaa 300
 caagccatta ataatttctg taaanggatt tgggtagata gcatccaagt gatgcancn 360
 caaattttaa cttcacnagg ccttccacct taaaagcng acttcaaach accaaccctt 420
 tgggaaggtt aacc 434

<210> 10822
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H9
 <400> 10822

gagtaggaat gggaccttgt ggagaattga gatacccatc ataccctgag agcaacggga 60
 cctggagatt ccccggaatt ggagagttcc agtgctacga caagtatatg aaatcgtcac 120
 ttcaagcata tgctgagtca atcgggaaaa ctaactgggg aacaagtgga cctcatgatg 180
 ccggcgagta caagaacctc ccagaagata ctgaattttt caggagagac ggaacatgga 240
 atagcgagta tggaaagttt ttcattggaat ggtactccgg gaagctgcta gaacatggag 300
 accaactcct atcttcagcg aaaggtatct ttcaaggaag cggaacanag ctatcangaa 360
 agtanctgga attcactggc actacaacac cangtccaac gcagctgaac taaccgctgg 420
 atac 424

<210> 10823
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A12

 <400> 10823

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gggcaccaga aacagcttgc tangattcac tacgacgtcg ttcnggttc gtctccagct   60
gtggataatg gctattctct gaaattgatt ctattcacta tttgttact ggggattttc  120
tcagcanacc aaaacaggat ttattttttc tggggatttc tgagattgga agaaaatggt  180
cagcttttca aagaggcgca tgagacttgg cagagttaag aaggtaacag tctcggattc  240
tgttcaagga tataagagtc ctttacgaag tgaccaaacy cnctgatagc tctagtaatg  300
aagctgctgt tgctgcaact anttattctg atgaacttga tttccagcct tcatnaggga  360
attccgaaaa ttggatggng ttatcgggta                                     390
  
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<210> 10824
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A3

 <400> 10824

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agatgctgag ttccttagag atatccattg ttcagtcgag agtacagact tttccgctag  120
agtgaaaaaa catattgaag aacctattaa agatatagaa gtttctagcg tttcacctac  180
tgaaaactgt tatcaatcag ggagagagggc tataccctca gttactccca gtactcctct  240
cacggccctt agatacaca catcagctga gaaacctgca agtaaaacta ctggctcatc  300
aacagtaa atcgaagcgtt cttcgctcctg gggaagagggc aacggcaaga aaacacctgc  360
taaaggatca tttgattcct caggaaatga cgagcttctt atacagagggc tcgagcacat  420
gaaagatgaa ctgcgacaac gaatcgctaa agg                                     453
  
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<210> 10825
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A4

 <400> 10825

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 ngccccgctt cttccttcaa ctgaagtccg actaagttga ctcgttctct cgtgttttcg 120
 atagacacaa actatgacgg agatcgatcg ttcacgcgcg ttcgccaaag acgttaagcg 180
 tatcgctcgtc aagggttgga ctgcagttgt tactgggaaa ggtggaagat tggctcttgg 240
 acgttttagga gctatctgtg aacagcttgc ggagttaaac tcagatggat ttgaggtcat 300
 tttggtgtca tctggtgccg ttggtcttgg tcgacaaagg cttcgatata gacaattagt 360
 caacagcagt tttgcagatt tacagaagcc acaaattgaa cttgatggga angcttgtgc 420
 tgggtgttggg caaagcaagt ctcattgggt tactatgaga ctatgtttga ccaattggat 480
 gtgacggntg cccaaatg 498

<210> 10826
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A7

 <400> 10826

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 ggacaatttg ttggttttagc cgagatggta ggccctgttg atttcaataa gactgttgaa 120
 tactggcaac aggacaaatg gattggttgc ttccctgtta agtggcattt cgttaaagat 180
 atccctaata gctcctgggt ctttcacgaa caggaatggt gggaagactc ttgtttccag 240
 gactcanggt accaanattg cctctgangg actgaaacac anggtgttn anggttcncc 300
 tgctgatcta caaatgatg aggataatgc ctacangaag atccgtctta gagctgaaaa 360
 tgttcaaggg aangaatgtg ttgacccaat tctggggtaa ggattcacia ncg 413

<210> 10827
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B11

 <400> 10827

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 agagtaccaa tctcagattc atcagctcca cttgaattta aagtagccat aactgttcga 180
 tcataggatg gaagaagcaa ctcaagtaac gagttctgag gtccctgtag tgaaagggtga 240
 tgttgatgac cttaagacag ctgatatttc cgtcaaggct gtgaatggga gaagtgccaa 300
 aggaggagaa agaagaggaa gatgggggaat tcataaaaagt tgagaaggaa gctttttgatg 360
 ccaaggatga tgcggagaaa agcagatcat gttcctgttg aagagcaaaa aggaagttat 420
 tgaaaagaag ctcgagtggg ttacangag aggaactaca ttgaatccca aaganaaggg 480
 g 481

<210> 10828
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B12

 <400> 10828

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 gttactaatt tccatatctc tcgngtctg cacagcaaca gagtcgcaga ggaatgaagg 180
 ggangtgctt acaatgtacn ancaatggct tgtagagaat gggaagaact ataacgggtc 240
 tggagagaag gagagacggt tcaagatctt caaagacaac ttgaagcgca tcgaagaaca 300
 caattcagat ccaaaccgga gttatgaacg cgggttgaac aagttttcgg atctaacggc 360
 tgatgaattt caagccaatt acttaagtgg gaagattgga aaanaaaagc ctat 414

<210> 10829
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B4

<400> 10829

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 cttacgaagc tacgtgtgac ctaacattct ccagattgtt gtttatagcc tcttcttaga 180
 tttacgattt gtgagcttgt gaagatttct tggtagaatt agagttctct gtttcgagat 240
 cgagatgaat aataataata ataatagagg aagatttcca ccgggggattg gtgcggcgagg 300
 tcttggtccg gatcctaatt ttcagtcacg gaatccgaat ccacctcagc ctcaacagta 360
 ccttcagtc cggactccgt ttccacagca acctcagcct cagcctcctc agtatctcna 420
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 ncc 483

<210> 10830
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B7

<400> 10830

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 tgctgtttgc ttagatgtta taaaccagac ttggagccca atgtttgatc ttataaatgt 180
 gttcgaatcc ttccttccgc aactgcttct atatccaaac ccacagatc catttaatgg 240
 agaagccgct tctctgttga tgcgagaccg tgcagcctat gagctcaaag tgaaagaata 300
 ttgtgagaaa tatgcaaaac cagaggagat ttaagnnnn nnnnnnnnnn nnnnnnnnnn 360
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<210> 10831
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-C1

<400> 10831

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tctccgttca tcttccggtg gatctgccgc caaattagtc aaccgaaacc ccaggcttcc 180
ttctccttca cccgcgcgtc acgccgctcc atgtagctac ctctcgggcc gcgtcgccga 240
gtatgcgacc tcttcaccgg caagctctgc tgcgccatcc tctgctcttg ctaaggatga 300
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tcggtgccat tgtcgatgtg agattcgagg atcaggaagg attgcctccg attatgacat 420
ctcttgaggt tcaggntatc cnacaaggnt gggtncttaa gggttccaaa aantttgg 478
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<210> 10832
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-025-Q1-E1-G8

<400> 10832

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tatgagcgcg tttccaccgt acggagaaac tttcttccac caccgaaccg gtcgtttctc 180
tgacggtcgc ctcatcattg acttcatcgg tacttctctt tatttatgtg taaattgact 240
gttttggcgc agttttgtta ggttaaattt acataaaagc attctaattt tgtgtgttct 300
gttactgaa ttcttaggtt tcttatgtca aatctttctc tgtttttcta ttttcttgaa 360
cagcaagtta acattgtgaa acctcaagtg gatgctccaa atttggtttt ccttgcaact 420
gaaatttt 428
```

<210> 10833

<211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-D4

 <400> 10835

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 aatgactgat attcacggta atgaagaaac aaacgaggaa gaagaagata tctgggagga 120
 ggatgatggc aagggttaaaa ctgattcagt caagaacgtg gctcatgtga tgagaactca 180
 gcagagtgag aattcatctt taccatcatc aggtgaagca aagaagtcta catcagaagc 240
 taggtccaat aaagtgtcga aactaaaaa agttggaagc agtggaaact ctcttagaga 300
 caagctaatt tctgaagcgc ctgtgatgaa ttggggatca cagttgacta attgggaatc 360
 aactacgga gttcgagcta attaccgggg tttagagatn gagaaccact ggggcaaggt 420
 ngattaaaga tgcc 434

<210> 10836
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-D8

 <400> 10836

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 attgggttca attcgaaact aaaggaagtt tcgtgtgtaa agcgattggt gattcctcga 180
 ctccagatga agatattcag aacactcaaa gtgatgataa tgttgttggt gttactgcta 240
 cgactcagag tgacattccc catgattccg agtattcaat ttcgaggttt cgaagtatgg 300
 ttaccacact cctcctgtt gtcttctga tgaagaagtg ctcagtgaac agcatttgga 360
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 tcaagagata at 432

<210> 10837

<211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-E1

 <400> 10837

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 gattcttgat cggttcttcc gaccattctt cggcggaatt ttcttcgaca gagacctcga 180
 gacgacctcg aagctcttcg atttcgtttt cgggtgtctt gctctcgag aaaacacact 240
 tccagccatg ggaatcggag aaatctcgaa ccagttggca gcgaagttac ccgctaagtc 300
 cgtcttggtg aacacaaggg tcgcttctat tgagtatcca aatggatcgg gtteggatca 360
 cctagcgtga ggctccaaga cggcagcgtt atgaaggcag agctangtgt cataatcgcc 420
 gtccaacaac cgga 434

<210> 10838
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-E10

 <400> 10838

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 cttacgatgt tttgagtgat cctcaaaaga gagccatcta tgatcaatat ggagaagaag 240
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ttttgattgg ngggct 436

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 aactcatgca agcagaggag aaaaacaatc ttctaaagga aattgagaag gcaaagaaat 300
 tgctcggaga attgaaaacg ttaaagaagc aatcaactgg tgatatgaaa agcgaattga 360
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<210> 10861

<211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10861

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 aagagaggaa aggagattat ttgggaaaga ctgttcaggt tgttcctcat gtcactgatg 180
 caattcaaga ttggatcgag agagttgcgg ttattccnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatcc gcgcctttta 300
 tcgaggcgct tggtaattc tcttaccgtg taggcccagg gaatttctgt ctgggtccatg 360
 tcagcctcgt gcctgtgctt aatgttggtg gtgaacagaa aactaagccg acacagcata 420
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 gccacntgaa 490

<210> 10862
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-A11

 <400> 10862

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 agaaaaaaaa gaagttgtga gagcaaagaa aaaatggcag tggataaagt gattgtgaag 180
 cagaggaaca ttatatgggt tggattccaa ttgatgaaag tggcgtagag gttttaaaat 240
 gggcacttga agaagttgca aaacatggag attgtgttgt tgttgtccat gtttgtttta 300
 cttattaccg tgccttgaaa agcaagtcac cgctggatcg gtacttaaaa ccatacattg 360
 aattctgctc aacaaagaag attgagctca aaggngaaan tgttaaaggg aaatccattt 420
 caaggggttt tagttaaaga anca 444

<210> 10863
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F5

<400> 10863

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 taaactttca ttcacatcat ccaaccccca atgggtcgaa tcttgaaccg taccgtgtta 120
 atgactcttc tagtcgtaac aatggccgga acagcattct ccggtagctt caacgaagag 180
 tttgacttaa cttgggggtga acacagaggg aaaatcttca gtggaggaaa aatgtttgtca 240
 ctctcactag accgggtttt cgggtcgggt tttaaatacca agaaagaata tttgttcgga 300
 agaatcgaca tgcagcttaa actcgtcgcc ggtaactccg ctggaaccgt cactgcctac 360
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 acaaggaaa 429

<210> 10864
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F7

<400> 10864

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 gcgctatcga ctccaacaat ctgaaagacn ctctaaagtt ttctgctcaa atgctcancg 180
 agcttcgtac ttccaagctt tctcctcata aatactatga actctatatg cgatgttttt 240
 aatgaattgg ggactttggg gatattcttc aaggaagaga cgggacgtgg ttgctccatc 300
 gcagagctct acgagttagt tcagcatgcc ggtaacattt tgccaagatt gtagctttta 360
 tgtaccatan gatctgtana tntcaaatacc aaggatgtta ctgctacn 408

<210> 10865

<211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F8

 <400> 10865

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gttggcatct cttgtgcagg cactgggtctg agtgaggcga tatctttgtt ggagccactt  180
acatcagatg ttgtagactt tgttcgtcaa ggtgctctga ttgccatggc catggtgatg  240
gtccaaatta gtgaagcaag cgattctcgc gttggagcat ttangcgtca acttgagaag  300
ataatacttg acaagcatga agatacaatg agcaagatgg gagcaatttt gggcttcagg  360
tattcttgat gctggtgga ggaatgtgac nataagactg ctgtctaaga caaaacatga  420
caa                                                                    423
  
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<210> 10866
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F9

 <400> 10866

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aagaaatctc gtgagattga ccgtcgccgc cgcagacgga agcagaagaa gaacaacaaa  180
gcatcccaag ccgatgtaga tgcacgggac gtttctgctg cttctgaatc caaagagaat  240
acagattccc agccacaggt ttgtgancaa antgtgatag agatgttcca aagcaaagct  300
gaaatttgaa gaatggttta acgaatannt taaaggaatc cttcgagaag ttcaacttcc  360
gcgaacctct tgcctctgaa agaagacggt acgaaagatg antctgagga aaaagaaant  420
tcaaa                                                                    425
  
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<210> 10867

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G4

<400> 10869

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cagtttcgtc ctanaatttc ttttcttggtc tgttccagat gaaattgtga gttctccgag 180

ttanatgcat ccgttagaat caaagcggta atcaaaagca gaatttanag gantganaaa 240

gatgggttttg ggggtgtttcc ctttgaaaag cancaagaaa cgtgggtctg tttctatgaa 300

gcggttggtat cttgaagaaa gcaanccanc tgctttacct gagccaccaa agattccaag 360

tcgtaattta caatcagctc ntccgagttt cagaactcnt gtgaagccaa ttcaatctaa 420

caacggtgga accggngaga tgagtanccg ancaagatca tgtccgctcc gtcaagnac 480

ca 482

<210> 10870

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G7

<400> 10870

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ggctcacaag cttttctacg cttaatctgt aactatgccg ctccagactcg agatcaagag 120

aaaattagcg caaaggtctg agagagttaa atctgtggat cttcatccta cagaaccatg 180

gattcttgca agtttgattt ctggaacctt gtgtatttgg aactaccaga cgcagggtgat 240

ggcaaaatcc tttgaggtga ctgaattacc agttcgggtca gccaaagtttg tagcacgaaa 300

gcaatggggtt gtcgcaggag ctgatgagat gtatatccgt gtatacaatt acaacaccat 360

ggacaagggtt aaagtgtttg aggctcattc agactacatt angtgtgtgg ctggttc 417

<210> 10871

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G9

<400> 10871

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gatgaagaga acgccgagag aaaccctagt agcgccgctt ttgctgttgc cggcgctgcg 180

actgctggag aggagcagaa aattctggag gaggaagaag atgatattga tgattttgat 240

gggaaccttn naaaccaana gcaattncat aaancagaag naaattatng nggatnatna 300

aaattngttg agtcnatcct aaataagaaa tgcncctccc aaacgtncgc taacnganan 360

catttccaag aancccaaag ataaaggtgc cgacttacct aaaaaaaacc gtncca 416

<210> 10872

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-H1

<400> 10872

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aaagcttcga gtcctcatca ctatataccc tccaaagatg caattttcaa gaaactcaat 120

ccttaggcaa ctaagccgaa aagaaggttg gagatcggtt tctaaaaggt ggacttccgg 180

agatagctca acagccttca acgacgacac aagtgggtgg ggttactcat caatggaggg 240

tctttatgga gtttactccg gtggagacac ggcgccgaga agtaagagag tgatggttgt 300

agttgatgaa agttcgaggt ctaagcatgc tatgatgtgg gctttgactc atttgactaa 360

caaaggagat ttagtgactc ttcttcatgt tgtgtctcct gatgatgaag ctactccttc 420

tttgggctca atctcctggg tctctttgca aaagcntggt aaaccc 466

<210> 10873

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H10

<400> 10873

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ttttcttaat tattantata attttctctt cttaatcccc aaatcnctg atggattcat 180
gaaccangat cggctgattt gagtttccgg gtttgatttt tttccctttt tgtgaaattg 240
ggttggaatc tggagatctg gatcttataa agctggaaac tttacgtgtg cntgatgaac 300
cgattttgat taggtgattg gttagattcg gaaatttgaa gacttgtaa tttgggtttg 360
ggattgggat tgatctgaaa atttgtagtt tttgggaana tatgttg 407

<210> 10874
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H11

<400> 10874

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ctctgggtgc aaatgaggag tttcaacaca ttcttcgtgt gttgantact aatgttgatg 120
gtaagcagaa gattatgttt gcccttacct ctatcanagg tattggtang cgattggcta 180
acattgtctg caagaaggct gatgtcnaca tgaacaaaag ggctgggtgag ttatctgctg 240
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tggttcttga acaggcagaa ngattacaaa ggatggcaag nattctcaag ttgtcnccaa 360
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<210> 10875
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H2

<400> 10875

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tgtggcttat gacattgcca atcactttctg tgagatggct gccgattacc aactgaaac 180
acctcacatc atggattata gtaaataccc tgggtgtggag gagcgacaaa gatttctgaa 240
aacatatatg agttattcag atgaaaagcc cagcgatact atgggtcaaaa aactcctaga 300
agacgttgag aaatatacac ttgctagtca tctaatttgg ggtttatggg gaattatata 360
ggaacatgtg aatgaaatcg actttgacta catggagtat gcaagacaaa ngttcgagca 420
ngtattgggtt aacnaagccg aagggtcctt tgcagccttc cgaaaana 468

<210> 10878
<211> 367
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C11
<400> 10878

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aaccctgcc cgtacatcca cggacacaac cacctccatc gctcgtcgca tctccggtat 180
cttcatcaac tgcttcactc ctcccgattc cgtttccncc aantacatcg acaattcaaa 240
gtcctcttcc gacaataata tccgtagtag acgtagctca acaggaagta gtantgtaca 300
agaggagtta tgggaatgca aancganaca aagcatataa gattcagctt cgatganaat 360
cctacga 367

<210> 10879
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C2
<400> 10879

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ttctcaaacc ctaatggctt caccattgca tccttagtca aacaaactcc atttctcacc 120
 caatccacat ctcatctctc ctcttctctc gactcctccg gccgtgggtcg tggacgcgggt 180
 tccggtgaag atggaggatt tcccgcctgt ggaagaggac aattcgggtgt aaatcgtgaa 240
 ccggtgggttc ctggacgtga accgtcatct gccggagggtt atgggtcatgg tcgtgggtcgt 300
 ccgatccaat ctgattcgat ttctcctgcg ttacgtcat ttgtcaaata agattctcct 360
 agtattggnc gtggaagaag atccgttggg ttagacancg tttcaacttt cgctgctg 418

<210> 10880
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-C3
 <400> 10880

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 ggctgccaat tttgggtggc cctggagcat taggggggttc atattgtcca ctttatactg 180
 tccttgatgg ttcttaccaa gcagacaaac cagggttacc ttctctgcc ggatcgtcca 240
 gccaaagaga cagttccaat aatcctaata atgaagagcc catggagaga cctgagggtta 300
 cgaacaatgg gaattctcaa cgggtcaaata gcaaccccaa acaagcagcc tcgtagatac 360
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 attttgacta agtggaattg aaaag 445

<210> 10881
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-C4
 <400> 10881

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aggaggaata aggctagaca cagcagtgat gggagcacac cacaatgctt ttcttgagat 180
catctttcaa aaccgcgaga agatcgcca aagttaccac ctcgatggat acaacttttg 240
ggttgttggg atcaataaag gaatatggtc acgtgcgagc agacgagagt ataacctcaa 300
ggatgctata tctcgctcca ctactcaagt atatccaaaa tcttggacag ctgtatatgt 360
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ttaa 424

<210> 10882
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C6
<400> 10882

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tataaactcc cagatctgct actctctatc tccgattttg tgatttttca aaccnana 180
ttctccggaa gagtttattt ttttctctgt aactaaaccg agattttttt ttcaaaattc 240
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gtgtacagat cccttcctta gtcagagttt ttggnatta gtgttagag gtttgtgatg 360
aacaatcnag gaaagtatcc tcttggaat gngctgggc cgtggagcct taaacc 416

<210> 10883
<211> 374
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C7
<400> 10883

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agtccggcgg acggaaactt ttcttctccg tcgttagagc ttcttccgat gatgctgatt 180

gcgcacgcgc tccagaatct cctcttcttc tctacttacc tgggatcgat ggtactggat 360
tanggctcat tcgccagcat aangancttg gagagatatt gacatatggt gcntca 417

<210> 10886
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-D3

<400> 10886

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catcaactcg ttttctcca agattcagtc tcatgctctc cgaggagttg gtataggcga 180
gtcagataag aaaaatcccc tgccgcgagg ggccggagaa ggagtcaagg aagatgcgag 240
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tgcaagaaca tgtgctgctt cagctgttgg tctgcattta gtcgggccat taggttttca 360
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<210> 10887
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-D4

<400> 10887

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ctgggagggc gtttcagtct ggaaatctat gttctgtag agatgttact cggttctgca 180
aaaccgacta cccattagta cactatgcac ggatgttcaa gttgacgagc tgtttcgagg 240
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cagccatcac agacaagagt gagcaagatt gtctattggg ttctctgctt cagacaatga 360
agcagcacta ttcgagtctc aagggtgtct ctgaaactga actctgtgaa aacaacatgt 420

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469

<210> 10888
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-D9

<400> 10888

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gtaactcaac atcttgtatg cattcagata ttaagtcttt cttgttcaaa gaggaaaact 180
gaaacaacag tatttgtttg atgaaatcga tggatgaaga gttgaagcag agtctgagat 240
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<210> 10889
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-E11

<400> 10889

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ctgaggaaaa caaagttgat ggtcgcaaac ctgtaagtga aatctataga gagagacggt 180
gaagaagaaa atgggtcaag atgggtcgcc ggcgcataaa agaccatccg gaagcggcgg 240
aggacttccg acgacgacgt taaccaacgg tggaggaaga ggtggtcgtg gtggtttggt 300
acctcgaggt anacaagatg cagaagacgt ttaacaacat caaagatnac aattctccgt 360
ggnttccgtc acaattctcc gtcctaaggt gggactaatc cgtgtttggn a 411

<211> 475
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-B9

 <400> 10892

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 gaaacaagcc attgtggata agaatcccgt tgtttcaagt gcagctttag tcagtgggct 180
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 ccaaaatgat cgcttggctg ttagcaaatt ggttggtagc ttgaccaggg gatctgtccg 360
 ctctcccttg gctcagtgtc ttttgatacg ttacaccagc cagggttatcc gtgacatggc 420
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<210> 10893
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-E8

 <400> 10893

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 gcagagactg ctgtgctctt atctggagcg agtattgccg atcaatcagt catcattgag 180
 ttggctccca actacagtcc accagcagcc cctcatgctg aaacacagag cagcggtgca 240
 gaatctgttg tccagaaggc agaagatggt gtgagcagca tgttagcaaa gggtttcatt 300
 cttgggaaag atgctgtcgg caaagcaaaa gcttttgatg agaaacatgg tttcacctca 360
 accgccancg caggagttgc ttcactaaga ccaaaaaatc ggtcttaanc agaaacttac 420
 a 421

<210> 10894

<211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A11

 <400> 10894

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tctaaagcag cagatgatgg tgaattctct gagctttaca tcttcaaagtg gacatcactc 180
ttgatccctc caaccacact actcatcata aacgtaatcg gagtcattgt gggaatatct 240
gatgcatca gtaacggata tgactcgtgg ggtcctcttt tcggaagatt gttctttgcc 300
ttttgggtca tcttccatct atatcctttc cttaaagggtc tgcttgggaa acaaagacaa 360
gaatgcctaa aatcattcct tgtcctgggtc gattcttctc gcctccnanc cntaacncct 420
cctttgggggt acgaaatcaa tccgttt 447
  
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<210> 10895
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A12

 <400> 10895

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ctttatgtca cccaatatat atcaagctca cttgattgga aatctgctgg tctttcaata 180
tctcagaaag ttaatcctgt tgtgtcgtgg gatccgtaca tgcgtgtgac attcactctt 240
tcttcttcca aagtgggagt ggcgaaggag tcgactttga atctaagaat tctgttttgg 300
actaactcta taggtgcaa agtatctttg aatgggagac ccttaaactg accaacttca 360
ggtaatttcc tatcaatcaa acagaaatgg aaatctgggtg atcaagtaac catggagcta 420
ccaatgagta tcagaaccga agctataaaa gatgatnggg cagagtacgc atctcctcaa 480
  
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<210> 10896

<211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A3
 <400> 10896

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 ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180
 caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
 ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtggttgcatt 300
 ttgcaaagaa cacttttggt ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360
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 accgtttggg aaaaacaatc ggttnctcgc acgg 454

<210> 10897
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A5
 <400> 10897

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 ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180
 caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
 ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtggttgcatt 300
 ttgcaaagaa cacttttggt ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360
 cagggaaaca actatgatga tggtatcnag ggtggttcn aagncatgat agtaagctta 420
 accgtttggg aaaaacaatc ggttnctcgc acgg 454

<210> 10898

<211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-022-Q1-E1-A6

 <400> 10898

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 cacatgttaa aggacgagag actgggtccag catcagccga cacagcatcc gacatcgga 180
 gagcttagta tcggcaaat caagttcaaa gccttcgatt tgggaggtca tcagattgct 240
 cgtagagtct ggaaggacta ttacgctaag gttgatgcag tggatacct agttgatgca 300
 tatgacaaag agaggtttgc agaataaaag aaagagcttg acgctcttct ctctgatgaa 360
 tccctagcaa aatgtccctt tctcctcct tgggaacaaa atcgacattc cgtacgcctg 420

<210> 10899
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A7

 <400> 10899

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 caatgaccac aggaccagcc agcggctttg catgggctgt gaaaagacgg aaagatcctg 180
 ataatatctc tactcttacc tactatcaac ccagctcgaa gagtcaattg agtggaaaca 240
 gtgttgcatc tgcaaagaac acttttggtt tgaacctgaa accagacaat gactcagttt 300
 gggaggttca gggaaacaac tatgatgatg ttatcganga gggttcctagt catgagagta 360
 agcttaaccg tattggagaa cgacacggat nacttgatgg ttctggtttg 410

<210> 10900
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-A9

<400> 10900

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tgaggcaatt gttttgctcc aacaacaatt tcacgggaaa cattccatct ttcatatgtg 180
agttgcctta tctcagcact ctcgatTTTT ctaacaacaa attcaatggg tcaattccta 240
cttgtatggg aaatattcag tctccatata ttcaagctct aaatcttcga cataatccgt 300
ctttagtggg acttcttcca gagatatatt tgagagtcta aattctcttg acgtcggcat 360
aaccaactaa tgggaaagct tcaaagatcg ttaagtcana cccctcccct tggcttctga 420
a 421

<210> 10901

<211> 341

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-B1

<400> 10901

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acactgaaga aatctccttg gaaggttcca gacgttttca acttcccatt cggagagatc 120
gtccctatgt ttgctggaga aacccttcaa tggcaaccgt tgaaataatg tgggtgatttg 180
aagttgtcan attttttctc ccaaataagt gaactcgtgt accttttgga ttgaattttc 240
ttacggctga nttatgccct gcattttttg aggaataaaa gcaagatact gaccaataat 300
gtttattttg tgtttgaatc annatnnaan caaaaagggc g 341

<210> 10902

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-B10

<400> 10902

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ctttagaact gtagagagag aaaagcctcc atttttctca aggcaatctc tctctctctg 120
cctcatctca taaaccatt acaccaaacc ctcacgtag agagagaaac acaccaacca 180
ttgttacact ctaagagaag agaagagaga aggaaaaatg gacggtgtat caccaaagtt 240
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ctgggagctt gtaaaagcac cagtgattgt cctcttctt caattagctg tttacatctg 360
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cgtcaaactc ctccgggaaa aaancagacn aacgttaca gttc 464

<210> 10903
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B11
<400> 10903

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gaaatccaga caaagtattt gtgagagatc ttctgtggc ttctggtttg tatgaaggca 180
catcagatat atcattgtct agatgggatc cattagcaaa gcttataaaa aagtctgttc 240
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caggagagac tactataagt gaagaaaatc acaacatact gtttgatctt ctgaatgaag 360
tacttacggt ggtgcttgga ccattgacaa agtcagggtt caagaacaaa cttttgagtt 420
catctgtgtc tgaatcaacg actatacgag gtaaatatct gtttana 467

<210> 10904
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B2
<400> 10904

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ctcctcggcc gcgtcgccga gtatgcgacc tcttcaccgg caagctctgc tgcgccatcc 180
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gggcgtgttt gtcaggatcat cggtgccatt gtcgatgtga gattcgagga tcaggaagga 300
ttgcctccga tcatgacatc tcttgagggt caggatcacc ccacaaggct ggtgcttgaa 360
gtgtctcatc atttgggtca aaatgtcgtt aggaccantg ctatgggatg gtactgaagg 420
tct 423

<210> 10905
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B4
<400> 10905

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gatcgagaat caaggacctg cttcgatcc tggatcgga tctggagagc cggaacttgg 300
atcttctgat ccacaggcta tggatgcgga gaagcctgtt gttacaactg atgtccctgt 360
gatggagaac tctcctgaaa ccgacgctaa ncctgaagtc gaagtcntgg ccacacc 417

<210> 10906
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B6
<400> 10906

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ttcctgcttt cacttactat gcctcctcct ccttctagtt ctagagcagg tctcaacggc 120
gatccgattg ctgctcagaa ccagcagccg tattaccgga gctactcatc gtcgtcgtcg 180
gcgtcgtgta agggatgctg ctgctgcttg ttcttgctgt tcgcttctt ggcgtgctg 240
gtactggcgg tgggtgctcat cgtaatactg gcgggtgaagc cgaagaagcc gcagttcgat 300
ctgcagcaag tggcagtggt gtacatgggg atctccaacc caagcgtgt tctggatcaa 360
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<210> 10907
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B7
<400> 10907

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caagaggcca gagagtgata cagattccac caccacgtcc actatgcgcg tctcaatacg 120
ccctagctaa ctacgcctgc tcacgtctcc caatgcacac tgtcccacca cctgccccca 180
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<210> 10908
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A1
<400> 10908

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acgctaagtt accaataaga aaggacacgc ttgagggtta gaacatacca aatgaggcat 120
ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180

caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtgttgcat 300
ttgcaaagaa cacttttggg ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360
cagggaaaca actatgatga tgttatcnag ggtgggtccn aagncatgat agtaagctta 420
accgtttggg aaaaacaatc ggttnccctg acgg 454

<210> 10909
<211> 370
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-E9
<400> 10909

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tattgttga tctattctc gggacaggaa actcagcggg tgaagctatc aacctcctta 180
taagcaaggg cgtacctgag ggaaacatca tatttctaaa ccttatctca gcacctcaag 240
gtgttcatgt ggtctgcaaa aaattcccaa gaataaagat agtgacatct gaaatcgata 300
atgggttaaa cgaagagttt cgtgttatct ctggtatggg ggaatttggg gacagatatt 360
ttggcacana 370

<210> 10910
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F10
<400> 10910

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aatgggtctc ggaaattgag aaagcacgat tcattatcca ccgtccgac ttctcctcct 180
tctctctcaa gcgaccaagt caccagaagc atcatgggta ccaaggggaa taacaatggt 240

cgtggtctcc gtaaattgaa aatggatccg gattctccaa cctgttcaag cagcaaccct 300
 gggacacctt taacccttgg gacaccatgc tatgctttgg gaccattcac tgccggcaaa 360
 atcccttcct ctggcgaaga cgatgcagca agtctaacta cttatgaatg gngtgt 416

<210> 10911
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-021-Q1-E1-F11
 <400> 10911

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 ttctgccggt actcttggag aaactcttga tgcaactggt aaatggggaa aaaatctgga 180
 taacgatgat catgtggagg aaatgaaaca agagggtgag aaagtgagat ctgcaaaaact 240
 tgtcaggaag ttggaaagga aacttgcttt cgctgagaaa aagctgctga aagctgaacg 300
 ggcttttagct aaggtggagg aatctctgaa gccagcagag cagagaacag accttgaggg 360
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<210> 10912
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-F12
 <400> 10912

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 ctctcgttgc aaaccctagc cgccgtcaaa gcaagcgaga catgtacca ctcgatactc 180
 atggtccaga caaagatccg tcttagtttg aaagatgcca gngccctcat gttcctctga 240
 ttcttctca tcttactcct attccttcag atctataatc aatcaatgta ttttcttatt 300
 ttattcaatc gatttatcaa nctcttttgt tggtaaattg atgtctgtgt tacagatcaa 360

atgttgtgaa ctaattagcc taatgattcg attgattttg gtgaaccnga ggattgtac 419

<210> 10913
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F4

<400> 10913

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gctctcgctt tcgccgttta ccaagtcgtc tccggtttct tcgtttctcc tgaagttcac 180
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cttatggcga tcaagggcca gatctatgat gtttctcaga gcaggatgtt ttatggacca 360
ggtagggcat atgctctggt tgcagggaaa gatgcaagcc gagctctggg caaagatgtc 420
atgtgaggac aa 432

<210> 10914
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F5

<400> 10914

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
ntcctttggt ggatttggtg gccctaattg tcctccgagt ctcatgtcta attttttcgg 240
aggaagagat ccatttgacg accctttctt cactcancct tttggtggtg gcatgtttca 300
atccaacttc tttggtccca gcatgaatcc ttttcagaa atgcatcgtc tgccacangg 360
ttttattgag aataatcagc ctccaagacc gagtagatna cgcngaccgg ttattgaaga 420

nattg

425

<210> 10915
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F7

<400> 10915

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caatgctgaa gccagcaaaa gaaaatgatg tatgtgtcat cgggggttggt atgcctgtgg 180
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aatttgaagt ttacttgcca ggcgaaaaga aaatgtctgc tttccatcgt aatgacctca 300
gacaatctcc gggaatgggt ggatgatgag tggctaaaac ataagatnaa agatctgata 360
attgttaatt ccgtcctaac cttgaanaaa gaaaaaagaa aatggaggta aacaataata 420
agaatcctcc gaagtttgng tttggaaagg gaagaattcn 460

<210> 10916
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-F8

<400> 10916

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cttccttctc catacattca acctcctcaa gaacgcttca cttccgacaa gatcctctc 180
ggatcacctg tcccgtcat tgacgtgtcc aattggaatg aaccgcacgt ggctagagag 240
atctgccatg cagcgtcaaa gctcggttg tttcagatag tgaaccacgg gatagctccg 300
gctgagttca aggggtgat tgctgcggcg cgtgggtttt tcgagttgcc ggcggaggag 360
agaagaaggt attggagaag gagttcagtg tcggagacgg cgtggttgaa 410

<210> 10917
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G12

 <400> 10917

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 tgggtgttct gataatgact acttccaaga cgtctaccaa tattatgcca atggcgaggc 180
 atggcatctc ccagaaggag cttatgagac aatgtcacta ctgaaagatg ctggaggttaa 240
 gatggctggt gtgtctaatt tcgataccag gctaagaaag ctattgaagg atcttaatgt 300
 catagatatg ttcatgctg tgattgtatc cgcagaagtc ggatacgaga agcctgatga 360
 acgaatcttc aaatctgcgt tagaacaat cancgatanat gtnaacagag caatgcatg 419

<210> 10918
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G3

 <400> 10918

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 tgatatcaag aacaaattcc aggctgctgt tgatattctc cgtaaggaaa agatcaccct 180
 tgatccagag gaccagctg ccgtaaaaca gtatgcaaat gtaatgaaga ccatcaggca 240
 aaaggcagac atgttctcag aatctcagcg cattaaacat gacattgata ctgagactca 300
 agacattcca gatgctcgtg catacttggt gaagttgcag gaaattcgca ccanganggg 360
 gcttactgat gagcttggtg ctgangccat gatgttcgag gctttggaga aagtcnagaa 420
 ggacataaag aagcctctcc tgagaagtga cangaaagga atggatcttt 470

<210> 10919
 <211> 440

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G4

 <400> 10919

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 tcttacatgc atccacaatt tatgtcggat gtgatgaaac cacttcagat tgagcagttg 120
 atggatcaag aagttgtcaa tctctcagga ggagaattgc aaagggttgc attaactctg 180
 tgccctcgga agcctgcgga tatatacctg atcgatgagc caagtgcata tctcgattct 240
 gagcaacgta ttgttgcttc taaagtcata aagcgattta ttctccacgc anagaaaact 300
 gcatttgtag tcgagcatga ctttataatg gcgacctatt tggcagaccg ggtcattgtg 360
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 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G9

 <400> 10920

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 attaacacat ctcggtctca attccgagct ctgtattcca atcctttggt gcatttactt 180
 tctgggtttt tgtttatattt gattttcttc catttgggta cccacccaaa gagtaaagtt 240
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 ccaattccat gttttgctct gctcaactct ctgtttctac ttctgaatcg tcgttttctt 360
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 ca 422

<210> 10921
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<400> 10925

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gcngganact taccncttat agaccctgca gctggaaatg tatgttttgc cagtgggtaca 120

gccggatggt ccttcacatt acaatctttt gctaaaatgt atgccaagct tcatgggtgtg 180

gccatggacg tggataagtt tgcattctga ctttggggag atgtatatta tcaactctgat 240

actaggggtat tcaagagaag tcctccagta ggtgggtggag aaagagcatt tgttcagttt 300

attctggagc cctatacaa gatatacagc caagtgatag gtgaacataa gaagagtgtg 360

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<210> 10926

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-020-Q1-E1-D5

<400> 10926

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ttaggtggac aaagcatccg tctttcgtgg ggacgtagtc caaacaagca gtctgatcaa 180

gcgcaatgga acgggtgggtg atactatgga taccctccac agccacaggg cggctatggt 240

tatgcagctc aaccaccaac tcaagaccct aatgcgtact atgggtggta cactggctat 300

ggcaactatc agcagcaacg tcagtgaac atcaacatca gctatttcta ccaatgtctt 360

ggaacaaaag atgaacgatt gtgtcctaataaaggacttcn aaattaaaaa tgcncctt 420

tt 422

<210> 10927

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-020-Q1-E1-D6

<400> 10927

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 tgattgtaac ttcgtcgcgt gacaaatcaa tcatcctctg gaaactcaca aaggaagaca 180
 agtcatacgg tgttgctcag cggaggatga ctggctactc tcacttcgtt caagacggtg 240
 ttctctcctc cgatggacaa ttcgtctctc ccggatcttg ggacggtgag cttcgtctct 300
 gggatntcgc taccggagaa tctactcgtc gtttcggttg tcacacgaaa gatgttctct 360
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<210> 10928
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-D7
 <400> 10928

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 nnnnnnnnnn nnnnnnnnnn nnttaccctt atccgataaa ccacaaata aagacagact 120
 cttttgttct ttaaacagag attgtaaatc cagagccgcc ggaaaataca accgccggtt 180
 tactctcagg attagttgat attattcgat tttaaaaatc agtaggaaga agatgaagta 240
 cgtgcttgta acaggagggtg ttgtgagtgg attagggaaa ggagtaacag caagtagtat 300
 tgggtgttctc cttaaagctt gtgggtcttcg agttacttct atcaaaatcg attcttatct 360
 gaacactgat gctggaacta tgtctccatt tgaacacggt gaagtttttg tcntggacga 420
 tggtggt 427

<210> 10929
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E1
 <400> 10929

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aatttattcc caactctgaa gaagattgcg tctgcaaaat cactatgata tgggagaagc 120
gcaacgatga tttccccgaa ccaagcagct acatgcaact cctcaagagt atgggttattg 180
atatggagga ccacgtcctt aaagcttann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnat atatttatta aattgttttc atttatatat aatagactag 300
ataagaacct gtataatgtg cgggataaaa tgattgaaat aaattattat gtataaaatt 360
attatatgag atatcatata tgtttgtata caagaaaata tgtaactaaa aaaaaaaaaa 420
aagggcg 427

<210> 10930
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-E10
<400> 10930

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ttcttgata aaatggcgtc aactttcact gccacatctt ctantgggtc aatgggttgc 180
ccgaatggtc acaaactctga taagaaactt atcagcaagt tgtcttcaag ctcatattgga 240
aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt gtgcgcagca 300
aaggaattac atttcaacan agatgggact accattagga gacttcangc tgggtgtcaac 360
aagctcgag atcttgttgg tgttacactt gggacccaaa aggacgaaat gttgttcntg 420
anaacaagtn tggatnanca cnaaatgttt aaagagggg 459

<210> 10931
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-E11
<400> 10931

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 taatggcgga cgttagaaac cctacaaaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnagggcatt taaaccatt tgtacactta gccatcaagc 240
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 caaacggctc cgatggagat attttcgctg gagttaggct agagtctggc cttgacataa 360
 ggtacgcgac gggttccgat gggttaccgg tcggattttg accggctcgtt gaaccatgac 420
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<210> 10932
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E12
 <400> 10932

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 cgctacggtc tcggcatccg ttccagggct catcgaactc gtcgattcga aaaccatctt 180
 tgggaacgta gccgaactct tagagaaaga gaaactttcc atcaactacg ccaactgcag 240
 aagctggcac cttggtgttg agacctctaa catcatagac ttcgacacgg tgcccgcaaa 300
 ttgcaaagac tatgttgaag actacttgat cacttccaaa cagtaccaat acgactccaa 360
 aaccgtgtgc aaagaggctt atttctatgc caaagggact tgccttaaag aacgacaccg 420
 tcaatgtttg gatntttgac cttaaagtnta acctcctctc caagnattcc ctaaaa 476

<210> 10933
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E4
 <400> 10933

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aaatggctga ttcaattgcn gcngaaacaa caaacnggng cttctncncc ccccgcggt 120
 tcngataana acccaacnag attcaaccga tccggatncc aaccatcnaa ggagatccga 180
 gctcaagaag gtttggaaca actgcgccgt tctgtctgta actagtggag tcatgggang 240
 angactcggg ttgatgatgg gtttgttctt gggggcatta gataatccta ttacgcatga 300
 tactatgacg gctangtagc agtttgtgtt cacggcaaaa caaatggggc aaagganttg 360
 gaattcctgt aagacatttg cagttatggg tttggttttc tctgctgcan aatgcattgt 420
 cgaaaangca agaactaagc atgacactgt aaacancgct at 462

<210> 10934
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E5
 <400> 10934

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 gctgtcatgg cccaaaacgt tggtaagaa atgggtcaac atcaagagca aatcaagaag 120
 attttcacgc agacgacttg gacagagggtg aagggtggtg agattggagg aacaatgtca 180
 ttgaaagaga ggaagcatgc tctgtccgta aaagcaaaac tgagactcgg agcaaaagga 240
 acagcggaag agccagacga aacaaactcg atgtcgattc aacgcttgat catcttaagg 300
 tttttactgc cacatggaat gtcgccggca aatctccgcc gagttattta aatctcgacg 360
 attggcttca cacttctctt ccttccgaca ttacgttcc ttggcttcca agagatngtt 420
 ccct 424

<210> 10935
 <211> 430
 <212> DNA
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 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E6
 <400> 10935

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agcttataact ttttcttctc cattcgtttg tttttaacga tcaaaaacaa cggcgaaggt 120
 attggaaata agacagaagc tgttanctct gtttctccat ggtgtcaaga tcttgtgcta 180
 attttctaga cttancatct tgggaccttt tagattttcc tcaaactcca cgaactcttc 240
 cacgcgtcat gactgttccg ggaatcatca ccgacgtaga cggtgatata acctccgaag 300
 taacttctac ctccggtggt tcacgtgaga ggaagatcat tgtagctaac atgttaccac 360
 tccaatctaa aagagatgca gaaactggta aatgggtgtt taactgggac gaagactctc 420
 tccagttaca 430

<210> 10936
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-F10
 <400> 10936

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 cgcaagact gtgctctctt gtggcgganc taggttacga aggcgccgga aaattggatc 180
 ccgatagctt cgaatggccg tttcaagtac gacgatgctc gacctatcct ctactggatc 240
 tgttctctc ttcgtctctc caatgtctc tctctcgccg aactatcact atatgagcaa 300
 tttcaacnag atgggaaact cttagagggc gatgatctan accaggcata tgatagcata 360
 tcagcatttt cttccangag aaataaccag gaagccgttt ttggagcata atanagcatt 420
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<210> 10937
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-F11
 <400> 10937

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aatcttcgca acctgatgat tctctggata nagtgtcagg cgaggatcat gaaccgtctg 180
ctactgaaca gagtttcaca gatagtagaa tacaagaagg tcctgaagggt tccctccaat 240
cagagatgaa gagtgtataaa cctagacgag gtagaggttag aggtagaggt aggggtaagt 300
ctgttagagg aagatcgcaa gcaacaaaag ctgtgtccag agattcaaaa ccatctgatg 360
gggaaactcc aaggaagcgg caacgcgaac agacttctag aatcacagaa agtgaacaag 420
cagctggtga tagtgatgaa ggtgtagaca gtattacaac tgggtggacgt ntggaaaaa 479

<210> 10938
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-F2
<400> 10938

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cgatgaattc gattcccaaa tcatgaatat aaatgagctg aatcanggag atgcagtcaa 180
tctttgggac aagaaccttc tcccgatggt cctgggacaa tggatttctc tgagttgaaa 240
tcatccaaaa tcgaaccttt gagatcgaag aatattgatt ttagacaaca aattgagtat 300
cataaatcta cacactcgag caagaatgat tcgcaagcta tagaacaata tgcaaaagtg 360
gctagtata tgtctaagct aacacatggt ggtatcgcan gggaagctca aatggtggat 420
gtttcttcta aggacaattc caagagaact gcattggcct gttgtaaagt t 471

<210> 10939
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D3
<400> 10939

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aaaccctcat aaaccctcct ctctcccttt ctctccagat tanaatttcc atgacgattc 120
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 agccgtcgac tncgctcgt acactagagc ccgaacttca acgctcgccg gatgagaccg 240
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 ttgcacacca atttgacggc gatgattgtg tcaactgagaa agaggttagt gtggatgaaa 360
 agtttttgag tttgcgttca nggaagagag ttgctaagag aagtgtcgat tatggaattg 420
 aaattgagtc taacaagttt gatttcgatt tanaagttag gagaaa 466

<210> 10940
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-B4
 <400> 10940

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 ccgaaatcct tccttttncc tcctttttgg aagaattccc ctaaattnat nccttttggg 180
 aaanaatttc cgtgttgaag aagaagaaag ccgttaatgg ggctgctttg gttgttgtgg 240
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 ataactatgg ttcaaagtcc ttgattggtg agggttcata tgggaagagt cttttatggg 480
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<210> 10941
 <211> 144
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-B6
 <400> 10941

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gttggttatgc ntggctaaag a 441

<210> 10944
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C10
<400> 10944

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aatttgctcg aggtcagtga ttgatatgtc taaaacatgg cagagactcg atgaagagat 180
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atcatacaac acacgagcga ttgcgcctcc tgttcttctt caatgacaaa accaagatct 360
tcccatgtta ttgcctccag aaagcaaagc aaagaacntt ttggtgctaa aaaaactgan 420
gcataaattg atgatcataa caaagnaaga aaaaggaaaa gttttt 466

<210> 10945
<211> 482
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C11
<400> 10945

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acaacaatgg ctgttggttc gatgaatgtc gaagaaggca ctaaagcttt tcctgcgaag 180
ctgacaggtc aagtctttct ttgctgtgtc attgctgctg ttggtggtct catgtttggt 240
tacgacatcg gaatctcagg aggtgtaacg agtatggaca ctttcttggt agattttttc 300

ccacacgtgt acgagaagaa acacagagta cacgaaaaca actactgcaa attcgatgac 360
cagctcttgc agttgttcac ttcctcactc tacttggctg gaatcttcgc tagctttaat 420
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tt 482

<210> 10946
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C3
<400> 10946

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caaggangaa gaagaagaca cgatggatct atctataaag caggtagatt tgcttaatca 420
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<210> 10947
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C4
<400> 10947

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 ggagaaanaga naggttacgg gaccccttgt cttctggttg cggccaaaga tgatttggat 420
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<210> 10948
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-C5
 <400> 10948

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 actcaagaga gctactagtg gtgggtcttg tgttacatgc agtggtggtg ataagattct 360
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<210> 10949
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
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<210> 10950
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10950

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 ttaggcatga attgagcttg ctttcttcaa acagacctat cactattgtt accacagcag 360
 gatcaggtgg taaaaagtat gggttacatca ttataattgg ggtgataggc tacggatatg 420
 tatgggtggaa gggctggaaa cttccggatc ttangtttgc aacaaa 466

<210> 10951
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10951

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 aaaatgtcag gaagaggaaa aggaggaaaa gggtaggca aaggaggagc aaagagacac 120
 agaaagggttc taagagacaa cattcaagga atcacaaagc cagcgattcg tcgtcttgc 180
 cgtagaggag gtgtgaagag aatcantgga ttgatctatg aagaaacgag aggtgtgttg 240

aagatttttc tggagaatgt gattagagat gctgttactt acactgagca tgcgaggagg 300
aagacggtga ctgctatgga tgttgtttat gccttgaaga gacaaggaag aactctatat 360
ggatttgggtg gttgatcaat ttgagatctg ggttttctgg tgaatgatga tgatttaagt 420
cttgcgatca agaaattcca gaaattgggt tgaanttt 458

<210> 10952
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D12
<400> 10952

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ctcagttctg ttgtcaaatt anggttttcg tttcagggga aagagagaga gagagagatg 120
tggtttctgt gtgtcttcta tcacangcta ttagacttca gaaagccana agtggaaagct 180
ttanctgaac tctcggana agagattgca gagaatgagt ctctccaatg gcgtctacct 240
gaaaatcacc atagacgata ctccattcca tttcgttcaa ctttcatctg aagaaatcgc 300
tcgtaacatt gctaaangaa ccatattgggt gaaaagaatg tatgagcttt ggggtgaang 360
aacttgttat gaagaactta aagactcgan tcaaagctaa cctgaatccc caaaagcttc 420
caatttccaa ctttcggaat caacctttta aaancccccg t 461

<210> 10953
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B3
<400> 10953

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tnggattcan atgatggacc gatcaacccc aaccttctca tatcangctt ggaggcgaga 120
tcttgagaat gggcctcccc agtaccgtan cagaactgtg tttgaggatg ccaactccga 180
gatggtcagg gacttctttt gggatgatga gttccgttcc aagtgggatg atatgctttt 240

gtattcttct actctcgagc gttgcaagga cacgggcact atggttgtgc aatgggtgcg 300
aaagttcccc ttcttttgta gcgacaggga gtatattata ggccgtcgta tatgggatgc 360
tggccgagtc ttttactgca ttactaaggg agtacaatac ccgtctgtac ctagacnaaa 420
caagccaagg cgaatcgact tgnctaatac aagctggtgt atccn 465

<210> 10954
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D2
<400> 10954

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atggcagcaa atctagcgcg acggctgacg ggaaccgat cgactcagat ccttgagacc 120
gtgaactcta gctcaggtgc ggctagttct gtcnctaagg cnttctgctc ctccaacact 180
ccgatnaccg caactctctt ccctggcgat gggatcggtc ccgagatcgc cgaatctgtc 240
aaaaagggtg ttacaacagc tgggtgtacca attgagtggg aagaacacta tgttgggact 300
gagatagatn cgagaacaca gagtttcttg acatgggaaa gtctcgaatc tgtgcgtaaa 360
aacaagttg gtttgaaagg tccaatggct actccaattg ggaaagggtc ccgttctttg 420
aacctgactc ttangaaaga gcttaatcta tatgccaatg ttagancttg ttacagt 477

<210> 10955
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G9
<400> 10955

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aaaatgggac cgagttggaa aagaacaaaa cgaaactcgt cgtctttctac cacttaaata 120
tttttcagta gtcennnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnngtag tgtctctacc gtgattttta tttttttcta tatactgttt aaacctcagt 240

tggttcgat cgaaagaatt gatccgggtc agggttctcc ttctgttgat tatcagctag 360
 gatatcatgt tggtcttaaa ggccagtatg aaggagcat agagcaaaag tatttatgca 420
 caatcacntg 430

<210> 10960
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A10
 <400> 10960

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 ngctcgctgc gaagcgtctt ctgcagatcc gtcaagtttt cgtcaacca acctctcagg 180
 tgactcgctan cttatcgacg gccttaaact accatctgga ttncctgat aacaaacccg 240
 atcttccatg ggagttttca gaggttaacc aatctaaggt taaggagatt ctctcttact 300
 atccatccaa ttacaagcag tccgcagtta ttctctctct agatcttgca caacagcaga 360
 atggangctg gtcctctggt tcaacaatga atgcggttgc taaagttata gaagttgccc 420
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<210> 10961
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A11
 <400> 10961

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 agatatgttg ctgactgctg taaactctga gacaaatctc tcacagactg catcaactgc 120
 agaaggaata aaaatggagg caaaaagcca gataactttg acaactgagt ctctagggtc 180
 tggaaaactcc gacattccct ctgcagcagga tctacaaact tctcgtgaag tttcagttat 240
 atcaatttct gaagctcaga gactgatttc tctgttcttt gctttgtgta aaaagaaacc 300

gggaaaagag anacacggga gcatggaaaa atgacagtgt taggaacaga ngantttgag 360
 gttgagtctg atgattacat cacatcaatt gaagtttctg tgcacaatgt ctttggnttt 420
 aagagtgaaa tegtcacttc tcttgtctnc aagaccttta agggaataac ctcacaacct 480
 tttggnatg 489

<210> 10964
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A6
 <400> 10964

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 attaacaacg aatctaaatg gccgctgctt ttgcttccag attaaccga ggaggacgtt 120
 cattgcttgg aggtcttaac aatgggtggtt cgatgaattc ttctaattgga atgatgaatg 180
 aaagtatcct ctctcagcag cagcagagaa ggacatttat tcagatgggg actgttctca 240
 aagtcgtgga caattcaggt gcgaagaaag tgatgtgtat tcaagctcta aaggggaaaa 300
 aaggagctag acttgagat actatagttg cttcagttaa aagaagcgat gccaaacggt 360
 aaagtgaaga aaggagccgg ttgtgtatgg tgtggttgtt cgtgctgcga tgcan 415

<210> 10965
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A8
 <400> 10965

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 tgttttgagg aatatttgtt acaagtaatt gaagtggan aagaanatca tgaagttgtt 180
 gtggggagct gttttttggg aaatggagat ggagactcag tgttggtatc agagacaata 240
 gattctcatg actctagtgt atggaaggtc tactgggatt cgttctatgg acgangttat 300

ttttacaatt ttaagacaca aggagtcaaa atgggagccg ccacttggga atggagcatc 360
cgancttata cccgatgaan gtcacaactt gagttaattg gtcatatnaa 410

<210> 10966
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A9

<400> 10966

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ctctgttctt tgtttactcc gccaaaaccc gtgaagaaaa gaaaacccat cacaaaaaga 120
caatcttcta tcggagcttc ttcttccggg tcgggtctta atagtaaccg ttggaacaac 180
cgggtcagat catcttcttc tagaagagac aacaagttcg aagatgcttt gattcaagaa 240
catgctcttg ctgctgctgc tgttttgttc cgacagcaaa acggtggtgg aggatcgttg 300
ccgtttgatc ggtcggcttc acaacgttat caaggttctt gttcgaagaa gaaccagttg 360
cctcgaagct cgagttcgan gtcaaa 386

<210> 10967
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B10

<400> 10967

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tccaagaggc gatctttttt tgaagtaaca attgaaccct aattttctct ctttcgatct 120
caccaaattc tccgatttcg tgtttanatt cctcaatctt ggtacctcgg agctcaaaaa 180
accctaagag aaaccccaaa tttggttgc aggggaatgt cttctgaaca tatatcaggt 240
ggtggagctt caaagacgaa gaaacataag tggagctcaa gccagaaccg acccaaacca 300
atgggagttt ctagacagga acgatctgtt cctcttgat ctccttcgaa ctcgtttgcg 360
tcggaggacg atcatcacat gttgaagata agtctgagct ccatttcgaa agcttgangg 420

5390 "40366666"

taaggaactt gaagccggaa ctaaaatctg agccttgaan aaggtttg 468

<210> 10968
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G7

<400> 10968

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acgggtccga ggagtgggtt tttgggggtt agggttttcg agagatgttg aatgtcaggt 180
tcattgatga atctgttttc tctctgcttc aagccattcg ggcacgtctg tgataattcc 240
gagctggatc gggtggtggt ggtggcgctt ctggtggaac cggcggtgaa ggcaaagacg 300
gattgctttg gttccgtgat ctcggtaaat attgcgccgg agatttctcc atggctgtga 360
ttcaagccaa tcaggttctt gaagatcaga gccaggtcga atccggtaat tttgggactt 420
ttgttggtgt ttacgatggt catgngggtc ctgaa 455

<210> 10969
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B2

<400> 10969

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aaccaagtgc atcttgtag gatgttagta agatgctgga ngagatttgc taaatacaag 120
aaatctactt ttgtcntggc tagagcatat catgagttgg ggatcaatga aaaatccatt 180
gagtcagtac catttgagca gtttgccatt caantgaact cagtttctgt aattcaaatg 240
gtcaaagcat tgcttgatcg cttggagatc cgactcactc tatctaaggc atccaatgtg 300
gagaacatta atcatcttct taagcacatc tttccgcctg ttcgaagagg gaaatcaccc 360
agtcccatga gtaaaggcga gcanaantca cccaattcca agatgggata tcaaaaactt 420

aaaaanattg cgagatatcc agctagaatt tttctttgtg cctacatgat c 471

<210> 10970
<211> 558
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-G5

<400> 10970

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aacattgaga gagtcaagac ttttccaccg gtcagcaatc ttgaccccaa gatctacggt 180
ccacaacact ccgctcttac tgacgaccat atcattgggtc acctcgacgg attctccgta 240
caacaagcgt tggaagagaa tagattgtat atgttggatt ancatgacat attcttaccg 300
ttcctagacc ggattaatgc gctagacgga cgcaaagncc taatggctaa ctccgaacta 360
accntccttc cttggactcc gtccctaaggn aacaacntta aagcccnggt taanccnaat 420
tggannccta aaagnccttc ccttccccc aaaggggtcc caaaaaanca ttccggttcc 480
caaagnccgt tntggccttt aaaacccttc caannttcna atgggcaaan cctccnnaaa 540
atttggggat gtttgggc 558

<210> 10971
<211> 548
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-G6

<400> 10971

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctaacaagtt 120
cccggagagg caaccatcg gtacatcggc tcagtccacc gacaaggact acaaagagcc 180
acctctgcg ccactgttcg agcccggcga gtcagctca tggctcttct acaagagccc 240
ggaatagctg agtttaaccg ccaacttctt ttgttctctc ctaacatcaa ctngtttttg 300

actgttaatg ggggaagttt aagaagaanc aacaaaaaca atngttgttg ccttcccngt 360
 ttgggnaatc cnaaagggtta aannccccctt nggggccttt ttgggttggn aaatgaattc 420
 ntttggcccc cttgttccaa aatggtnact ggcttgggaa aattttcaaa ggttggganc 480
 aacaattaaa acccctggcc tgttaaaaaa ttcggttccg gttccttggg ctccggaaan 540
 ttaaacc 548

<210> 10972
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H10
 <400> 10972

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 aagaanggtt tcactttgaa aggtctgaag ttgatcantg taganagatc ttttgcngan 180
 aagcactacg aagacttata tnnaaagtcn ttctcaatg gactcgttga ctacattgta 240
 tccggccctg ttgttgctat gatctgggaa ggaaagaang ttgtcttgac cggaanaaag 300
 atcattggng ctaccagccc agcagcttct gagcctggaa ctatccgtgg ggactttgct 360
 attgacattg ggcaaggga cgtgattcat gggtaattga ctctgtcca agaattgcaa 420
 agaaaaggag aattgccctt tgttgggtcc cctgaatggg ancctgtcaa cctgggcaaa 480
 aacaacctt aaccctt 499

<210> 10973
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H2
 <400> 10973

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ggatgttatc atcaanggga tcagatttat cgccatggct actttctcta ttgaacggct 180
 ttgagctacg tttggaagag agactgaaga aacttatgcc taagaacaaa gatgacatcc 240
 tcactttatc ctggatgaag ctagctatgg agtcactctg cgagactcat aagaacatta 300
 acactctcat tactgatctc cagcttctctg tctctgattg ggaagagaaa tgggttgang 360
 ttttaactcaa catangcggt aggttactaa atttccgtaa tgcctttacc tctgaactca 420
 aaagtctcaa caagggag 438

<210> 10974
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H9
 <400> 10974

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 agaaacggta gttcaagccc aagaatgtgg caacgatcta gcaaatgtgc aggtatgcgc 180
 cgccatggtg ctgcccgggt caggcagacc aaattcagag tgttgcgccg cacttcaatc 240
 tactaataga gattgtctat gcaacgctct ccgtgcagcc acctctcttc ctctgctttg 300
 taaccttct cctgtggatt gtggtataaa tgcttaagtt aagctacgag tcaattccaa 360
 gatgatcaag gaaaacggga aaataaagaa taatgagaaa tatccaagtc ctaagttttt 420
 tcctcnaact tccgctttta cnataatnaa attctagtan gntttgctaa aaatttagat 480
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<210> 10975
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A11
 <400> 10975

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 ttctctcttg cactgtcagc tcatcattca tggagatcca aaatcgagaa tctcgcacct 240
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 tgatgggtca atttcagagt gggatctttt cgacttgaag cagaagggtc tcttagattc 360
 aattgggtt tcaatctggc aaatagctct ggcccctatc tctattgaag cagaaaagta 420
 aaagaancta aagctgattc aagaatggat acttgagtgn aaaatca 467

<210> 10976
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A12
 <400> 10976

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 acacacacga tgatgcattc gacgggtgcag catgggggaa acaagagtgg caagtcaa 360
 gtatgggcta atactaactt ggcanagaca gtggcagctg tanatgagtt caaatgtggg 420
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 gcg 483

<210> 10977
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A3
 <400> 10977

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 gagatctgct tttcaatttg atgctcttcc attagttaga aaagttgctt ttgatcggag 180
 caactatggg gtcgtctttt gagaccatcg atatcgctac cagtgcctcg agaattggcg 240
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 ccaacatatt tcgggcagag aagaatgtta ttgatttata tgtcatgctt ctgcggtttt 360
 caagcttggc tctcgagact ataccgtccc atcgaagatt acagaacatc tctaaaaagc 420
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<210> 10978
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A4
 <400> 10978

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 cagattctcc agcgagctat ggtgataaaa atgagagacc gtagcaagaa caggaaacca 180
 ttgcagagag gacgaatgct cagtatcnaa gcgattcaag cggttcaagc cctgaagcga 240
 gccaannttg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
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 tttttgga 428

<210> 10979
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A7
 <400> 10979

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catatcgccg tgttttctcg ctctagtacc gcgagctcgg acgaaccagg aagcaatccg 180
ttaatctaga agcgggtgtg agaagatgac gattacatca aatatctctg tacagaacga 240
taacctcggt gttcaaggga agactatcct taccaaaatc cctgacaaca ttatcctaac 300
tccggttacc ggtaaagga ttctgttccg gggttcattta taaggcgcga cgttttgaac 360
aaagcaaaga agtctcaan gtgttcccca atcgggtgtat tggaagggtc ctcggggttca 420
aggtgctgtt tcccgggt 437

<210> 10980
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-A8
<400> 10980

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agagggagga tgcaggagat anattcttagt gttcacacta taaagtccca tggaggaaga 180
gtcgcttcta aacacaagca cgattggatc atactcgtca tcttgattgc catcgagata 240
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aagtaccctt tcaangacaa canccgtacc gtatctgggt ctgtccctgg ngtnancgng 360
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<210> 10981
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-A9
<400> 10981

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<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E6

<400> 10985

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 atgtggatat gtcccgatc agaatcgaag gtctacttgc agcttttcct aagctgggtg 180
 gaatgggaaa gcagcatacc tatatccgag acggagaatg tgcgataatg ttatcagcct 240
 attgaagctc tggttctggc tccttggtac aactaaagca gagtaacatt caagaagact 300
 ggccaccctt actttgctct caaaacttgt acctgagtat ccatgtctta gatgangaag 360
 gattccaggc atcttttgag ccaatttgca ttgatgaatc atan 404

<210> 10986
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E7

<400> 10986

gcttaaaata gaaccaaaga gtaaactt aagcaaaaca attttgcct actcttaggt 60
 tatctccaat gaagaactta aagatgggtt tcttcaagat cctctttatc tctttaatgg 120
 caggattagc catgaaagga tctaagatca acgtagaaga tctccaaaag ttctccctcc 180
 accatacaca gaacaacctc caaaccataa gccttctatt gtttcttgtc gtttttgtgt 240
 ggatcctcta catgttaacc cgacctaaac ccgtttacct tgttgatttc tctgctacc 300
 ttccaccgtc gcatctcaag gtcagtatcc aaaccctaag gggacacgca agacgtgcaa 360
 gagaagcagg catgtgttgg aagaacaaag agagcgacca tttagttgac ttccaggaga 420
 agantcctga acgttccg 438

<210> 10987
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F11

<400> 10989

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ttgggatgcc ttcgtcaaga ttcttgggaa gatcgccaag aatgccacgg ctgagataac 120
agtggaccag tatcacggtt acaaggaaga tgtggatttg atgaagaaac tgaacttcga 180
tgcttacaga ttttccattt catgggtccag gatattccct ganggaagtg gtaaagtcaa 240
ctggaaaagg attgcctatt acaatagatt gattgataca tggttcaaaa aggggattac 300
accttaagct aatcctgtac cactacgac tttccaatgg ctttgggaaa acaagtttaa 360
agggctgcct tgg 373

<210> 10990
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F2

<400> 10990

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cactgctcat cagattagca gcgattcatg gtttcaggca gcgttcgttc tgacaacaag 120
tataaacagc gcatacgtgt tgggatattc aggaacagtc atgggttcctt taggatggat 180
tgggtggtgtg gttggtctta ttcttgctac tgcaatctca ctctatgcaa acactctcgt 240
agccaagctt catgagtttg gtggcaaaaag acacattcgc tatagagacc ttgcgggatt 300
catttacggt agaaaggctt attgtcttac atgggtgttg caatatgtca atcttttcat 360
gattaatttg tgggttcac atactagctg ggttcgcct taaaaggctg ttangtgcnt 420
tttagggatg atnaaggcca t 441

<210> 10991
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F4

<400> 10991

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ctgtcatcgg ccacaagaag caaaccggtc cttgtgacgg cgttggttta cttggatatc 120
cttggggcttt cggtgggtatg atcttcgtcc tcgtctactg caccgccggt atctctgggtg 180
gtcacattaa ccagctgtg actttcggtc tgttcttggc ccgtaagggtc tctttgggtgc 240
gagctcttgg ttacatgata gtcagtggtc ttggagccat ttgtgggtgtg ggtttcgtga 300
aagctttcat gaaaactcct tacaacactc ttgggtggagg agctaacc gtaactgacn 360
gttacagcaa aggaactgct cctcggggct gaaaataatg ggaactttcg tccttggtta 420
anaccggttt tctcctggaa an 442
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<210> 10992

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F5

<400> 10992

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tcgattcttg ttcatattcg agaataattc gcagtatttt ctgtctctta ncctttttgta 120
tcttcttctt gacaacgacc aatgctcagg taatgcatag acggctctgg ccttgggcat 180
tgtggccacg gccgtatcca cagccgtggc caatgaatcc accaacacct gacccatcac 240
caaagcctgt cgcaccacct ggcccatcat caanacctgt cggcaccanc agggcccatn 300
tccatgncg gtcaanacaac naccnaangg cctcaaagnc agggccccc aaccaagcca 360
ccctaagncc aatcttccaa tgcccancn aacgaaccaa ccctaaaggc cttcaacccg 420
nnaanccaag naaacnaacc gggccagaaa ccaaaaaggc caaggggcca atcaaccaag 480
cngc 484
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<210> 10993

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F6

<400> 10993

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aacagagatt gtaaatccag agccgccgga aaatacaacc gccggtttac tctcaggatt 180
agttgatatt attcgatttt aaaaatcagt aggaagaaga tgaagtacgt gcttgtaaca 240
ggaggtgttg tgagtggatt aaggaaaggg agtaacagca agtagtattg gngttctcct 300
taaagcttgt ggtccttccg agttacttcn aanaaaaatc cgattcctta acntggaaca 360
ctggatgcct gggaactaaa ggtctccaat tttgaaacan nggtgaaagt ttttggcctt 420
ggaccnaang ggtggttnaa nggtgggatt cttgggatcc tt 462

<210> 10994
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F8

<400> 10994

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tatgatactt gtactggatt gataatgagt atcaacagag atgaggctct tagagccaaa 120
gatcttgccg agggtttgat gaaaaagacc gattttactg ctgctcgtaa gcttgcaatg 180
aaggctcaaa aaatggattc cagcctggag aacatatctc gtatgataat ggtttgtgat 240
gttactgtg ctgcaacgga gaagttgttt ggaactgaga tggattggta tggatttcct 300
cangttgagc agatcgctaa tgatgttata atcaagaaac atacaagagg cttgcgcttc 360
ttctccaccc tgacaaaaat aagctccccg gtgctgaatc tgcttttaaa ttgaattggc 420
gaaacccaa 429

<210> 10995
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F9

<400> 10995

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cctttcactg tagatccttt tttccgactc acacactttc gatattttct tttgttttct 120
tcaaaaaaga catatttttt ttgctgggac tatcaattgg ggtccgtcgc cagccacgc 180
gccgagctcg caatatatcg aaagcaacga tctaggaagg atcttaaaaa tcctacttgg 240
ccacaaatth ttgctattht tattatthtc cgtgtthtaat ttctgattca gacaggaaga 300
ttaatattaa gcactagtth tgcaaatthca caatthththt tttgtggatg gaaacaaatt 360
tctggcacac gtattccaat ccaaatcgac aatatacgcg tctccgaagg atangththt 420
gggttcaatg agaaacanag attggththtgg ggttccnta aacnaggggg ggccctaag 479

<210> 10996
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-G1

<400> 10996

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ccggagacca aggtcttgcg tgctatgcaa ctgatgacag ataaccgaat caggcatatt 120
ccggtaatca aagacaaggg catgattgga atgggtgtcca taggagatgt tgtccgtgca 180
gtggttcatg agcatagaga ggagcttcaa cgctaaatg cgtatattca gggaggttac 240
tagatcttga ataatggaaa gaaaagagtt ccctgttgthg tcgtctgggt cttgtgctgc 300
tgaatctgaa aagcntccag atcagtgtaa tatgcagtcc tccgtgttaa tgttggttgt 360
tggttgthgt ttgatgttht ggtgtthgtt tccgttggtt aacttgtcaa aaactaaagg 420
ccttgthgtc gtttccctc cttgcccc 448

<210> 10997
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-E12

<400> 10997

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gtgaaagtat tagaactggc cctcaagaag caaaggccgc tgctgatcgt tgctgaggat 120
gtggagagcg atgctcttgc caccctaatt ctgaacaaac ttcgtgctaa tatcaaggtc 180
tgtgctgtga aggccctgg ttttggagag aaccgaaagg ccaatttaca tgatctagct 240
gccctcactg gagcccaggt aataacagaa gagttgggta tgaatctaga caacattgac 300
ctcagtatgt ttggaaactg caangaaagg taacgggtatc caaaagatga tactgtttgt 360
tcccnaa 367

<210> 10998
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-B6

<400> 10998

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cgtttggata agtactatcg tctcgctaag gaacgtggat tccgttctcg agcttcctac 180
aagctttcttc agctcgacgc caagtactct cttctccact cagctcatgc cgttctcgat 240
ctctgcgcgc cccctgggtg ttggatgcaa gtcgccgtcg agaaaattcc ccgtcggcag 300
cctcgttctc ggtatcgatc ttgtcccgat tctccctggt cgtggctgtg ttacnatgac 360
gcaagatatc acaaggactg agtgtaaadc gaaagattaa gcangtgatg gagcaacatg 420
ggtgttagtg gctttaatt 439

<210> 10999
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B7

<400> 10999

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gaggacattg aagatttctt cgagaaaact accagagatg ctctctccgg tggcaatctc 120
tccgctgctc ccagcgaaga cttgttccac gtcgataaat cccatgacct tccggtgaag 180
cgaaagattg agaaacatan agagagagtg ctccgtgttg acagtatctt aaagaagaat 240
ccatttgctc agttagtgcc atcttcaaag ccaaagttga agaaaagtaa gaaagacaat 300
cgttataaga agacaaagca cctaaacaag gttcaaaaaa agtggttggtg acgaatctgt 360
aatgggccga ctttggtggg gtgatgatat aaanggagaa catganagca atcctagaag 420
ntttcaaaaa tctcgtatta atttcag 447

<210> 11000

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B9

<400> 11000

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ccaattctag gttttctcat tgcaatgact cttagcttt cggcacctct tgcgactggc 120
cttatcctag tctcatgctg ccctggagga caggcgtcaa acgttgctac ttacatttcc 180
aaggggaatg tagcgtctc tgtactcatg acaacgtgtt caaccattgg ggctattata 240
atgactctc ttcttactaa gttcttgct ggtcagcttg ttcccgttga cgctgctgga 300
cttgctctta gtacgttcca agtagtggtg gttcctacca taattggagt tctggcaa 360
gagttctttc cnaaatttac gtctaagatn ataacagtga cgctctaan cggagtcant 420
ctgactaaac tgct 434

<210> 11001

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C11

<400> 11001

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tgattctgcc tctatcgtca agtctcttcc tggttttgat ggccctcttc cctttgaact 120
cgaaaccggg tatattggtg ttggtgagga agaggaagtg cagttgtttt actactttat 180
caagtctgag aggaatccac aagaagatcc tcttctactc tggttaagtg gaggacctgg 240
ttgctcttct atctctggtc ttctttacga gaatgggcct gtgaatgtga agattgaggt 300
ttacaatgga actcttcctt ccttgggtctc tactacatat tcatggacta aggtttcgag 360
tataatatat ttggatnaac ctggtggnac tggnttctcc tantcaagaa ctaaacttgt 420
tacaaaccc 429

<210> 11002

<211> 542

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C2

<400> 11002

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gctgagttta tctcgacttt gatcttccgt cttegccggc tcaagctccg gaaattgctt 180
tcaacaaaga ttactggaca atgggangca accaactccc ttcccggggc tcngtccgcc 240
cggtggcct taagctcaat gcntttcngg tcccccttg gtccgnccgg tcccccggt 300
tnggcggcta aacaattttc ccggggtnng gccaacggtt taanccctgg cccgtttaaa 360
cctttccggg nngtccttaa accccgggtg ggtaaaaaa nnaattcctn ccttccngtt 420
ggggaattcc ccnaannng gggatttggc cccaannctt ncttggggtn ccnttttnc 480
gcgccttttg ntttcccccc cntaaaccc tttnggccaa ccgggtgggg cnaaagccca 540
aa 542

<210> 11003

<211> 429

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-C4
 <400> 11003

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 gaagcaccgg gagaacgccg atcgcgtaga gaacatgctt tcgattctcc gacgcgggtcc 180
 catcgctcct catgtcaatt ggtttaccgg tcttcagca atcgtttcgg agcttctaata 240
 gtttcacact tcagagtaca ttgagaagct agtggaggca gataaatcag gagaaagggtg 300
 tgaaattgcc gcaggtaactt tcatgagccc aggctcgtgg gaagctgctc tcttcagct 360
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 ctggtacnc 429

<210> 11004
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-C6
 <400> 11004

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 gacgactcca cgtggtggga tctcgaagaa acacgttatg agttctagca gaagcgcttt 180
 gacgctagct atggctgttg cggctggtgt gatgaccgga gaaggatctt cttccggagg 240
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 tcattcaaca ncagatgaag anncttctc cgttgtaccc naggattcaa gggccttttg 360
 nnaattggac tncgccnat ccgccttngg gttttggtgc ctgganaatc ntttccggnt 420
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<210> 11005
 <211> 431

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D1
 <400> 11007

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 gagatctcaa ttctccgac acttacgctc tctccatctc ccaaactc caatttcgctc 180
 aatttcctcg agaacaatct ccctcaccat caaactactaa cgccacaaac tcttcttgga 240
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 aattgggcaa gctacactcg acactttccg tcatgatcac gattctttcc tctgggatgt 360
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<210> 11008
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D2
 <400> 11008

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 tcttcacatc gctttagaga ccgatcctcg gtcttatgtt ttttggggga aagatgttgg 360
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<210> 11009
 <211> 437

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D7

 <400> 11009

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 aagtgactgc cttgaggttc acagagagag caagggctcg cattgagaaa gctggaggtg 180
 aatgcttaac ctttgaccag ctgctctca agagctccat tgggccagaa cacggttctt 240
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 tttgaaggtc ttgaccttgg aaagatggac gaaggcaatg actctggctt ggcttcgtaa 360
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<210> 11010
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E1

 <400> 11010

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 ccatggacat gtccgttggt tctccaacg atannacca cgtgaccgcc ggtcccggcc 180
 gccgtcaggg tattttcgac gctgaagcca cttgatgtt cgantcatgg atggtcaaac 240
 atgggaaagt gtacgactcc gttgccgana aggaacggcg tttaactatt tttgaggaca 300
 acctccgttt tatcacnaac cggaacgctg agaaactcaa ttancgggct tggtttgaat 360
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 tcaaggacct cctanggaac cacg 444

<210> 11011
 <211> 448

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-016-Q1-E1-B2
 <400> 11015

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 gccagatcta attcggaaag caaaggaagg aggcttagat gtgattcaga cttatgtgtt 180
 ctggaatggg catgagccat ctcttggaat atattatttc gagggcaact atgatttggg 240
 taagtttgtc aagttgggtc aacaatctgg actctatctt catctaagga ttggtcctta 300
 tgtctgtgct gaatggaact tcggagggat ttctgtttg ggcttaagta cattccaggg 360
 attagcttca gaacaagata acggtccctt caaggctcaa aatgcaaaga ttcacaacga 420
 agattgttaa catg 434

<210> 11016
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B3
 <400> 11016

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 ggactatctc tgggtcatttc attcagatgc ctagctctat ctgttatggc ctccatggca 180
 ctgaactagc ttgtgagact gagtgtagcc gcggtgagga ttatcggttg atcaaactca 240
 ctatcataga ctacaataga aagaaggaac aaacagttgt agtggagtgc aaaggccatg 300
 atgctgctcg aattaatgat gtcgagcatg ctcacgggtg ggaggaagat gtgataggat 360
 tagtcgaaga aaaacacggg gaaagaagaa agtaccggtt tcgttcgaat gtgagacatt 420
 gaagg 425

<210> 11017
 <211> 482
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B4

<400> 11017

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 nnnnnnnnnn nnnnnnnnnn nnntctcttt gcaaccaaag aagttaaata gtcttcaaag 180
 tcacttattt tcacctcaac atctctcatt ctctcagtct aatgtctctc gttacagagc 240
 gttttgtgtt tcttcaagct ctctccaga gggaacagtc tccgtagtcg atttccatga 300
 gaaagattgg tcctttctcg aatctatgga aattgactcc actgaacata ctcaagaagat 360
 tgaganggat cataaaggct ggaagaatta tccgaatctt cgaagggttt tgggttcaat 420
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<210> 11018
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B5

<400> 11018

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 cgatggaaga cgaagaaggc atcgggttaa ttttagccag agccaccgag ctcaactca 180
 agatcagcga ttgtatcgat aactccagta ccaccgtcag cgacaacggc gatggaaacg 240
 aggatctttc tcccggagaa ggaagaaaaa gcgagattat tgggaatcaa gacaaggatt 300
 ttgactcaat cagctctgag gatgtagatg aagcagaagc tgaacggctt ttgcgtattc 360
 gtgatgctct tgaagctctt gagtctcagc ttgctcttta cagaatctaa ggcanagaca 420
 acaata 426

<210> 11019

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-C12

<400> 11021

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tgatgccgaa aagagagtta gatcttccag gagattggga aaggaacaat gatgagcatt  120
acattgccca gattgtctct attcatactg gggaaatgaa tgaaatgcaa tggtttgaca  180
tggagttccc caaggcagag attctaatat tgaacttctc ttcagacaag tatgttcttc  240
cgctttttat cagtaagatg agccggctta aggtcctagt gattatcaac aacggcatgt  300
ctcccgcggt tctccatgac ttttcaatat ttgctcattt gtcgaaacta agaagtctct  360
ggctagagaa ggttcacgtc cctcaactct ccaactcaac caacccttg aaaaatctcc  420
acaaga                                           426

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<210> 11022

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-016-Q1-E1-C3

<400> 11022

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ctagcgtcta gtgatcttca aggagcaaag acatttgcca tccgcgcatg cgaagctgac  180
ccgacccgag cagaagctgc agactacatc ctcgcaatct gcgacattct tctcgccgga  240
gagactcggt taggtgattc caacttgcca gactggtacg ccgttctccg actcggtcgt  300
ttagctcaaa accctgaaca cgtcgcgact cagtaccgta nactcgctct tctcctcaat  360
ccttcggtta atcgtctccc attcgccgat tgaactctta aaatcctctc cgatgcctgg  420
ttcgttctcc c                                           431

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<210> 11023

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-C4

<400> 11023

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 tcactgccgt gaaacgagct ttccgatctc ccaccaagaa agaacacaac aacaatgctc 180
 atggtaatga agtcgacgaa gatgaagaca agaagaaaga gaagagacgt tggttattta 240
 gaaaatctac gaatcatgac tctccggtga agacctccgg cgtcggaaaa gacgctccgg 300
 ngcagaaatc cacagaaaca acgacgatna tcaacccaac cgttttatcc tctgtttaca 360
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<210> 11024
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-C6

<400> 11024

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 agagaatatt ggcgacaagt ggcggaatcc gatgggttcg atattgagag tgttcaaata 180
 ccaccatcta tgtatggaag gatcaatgga ctgattcccc acaactgtga aatcaatacg 240
 ccgcttcctt accgtgtctt gggcaagcac tatgctaagc ttgggcttca tcgttacaat 300
 atgttgaagg ggactaaatt cgagttcggc cgcctaata aattcaacat gttacaaaac 360
 tgtgtggctc tttctacata actttggaag catacganta cngtggttct ggacatcac 420
 atcctca 427

<210> 11025
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-C7

<400> 11025

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 aatcgggtccg ctaggtctcg caccaaagaa gatcggagaa gatatcgca aagaaaccgc 180
 aaaggaatgg aaaggattac gtgtaaccgt caagctcaca gtgcagaatc gtcaggcgaa 240
 agtgacggtg gttccatcag cagcagcact cgtcatcaag gcgttgaaag agccggagag 300
 agataggaag aaggtgaaga acattaagca taacgggaac atctcgtttg atgatgtgac 360
 tgagattgct aagatcatga gacctanac tattgctaag ggaattga 408

<210> 11026
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-C9

<400> 11026

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 ccggagctga ggttttaata caatgcaatt ccttatcaag cctcgtttct cgtcgttgcg 120
 acgacggaaa atggcgaacg agaatgtttc cggcgagaaa cagagacttg cgtccatcgc 180
 cgacgagaag atcctttttg tcggtgaaat ctatctctag cgaaccgaaa gccaaagtaa 240
 ccgacgcagt tctcgattcc gaacaagaag tgtttattag ctcgatgaat ccgtttgcgc 300
 cagatgctgc ttcggtagct tcgagtatca agtaccacgc ggagttttacg ccattgtttt 360
 caccggagaa gtttgagttg ccaaaggngt tccttgcgaa tgggcaaagt gtaanagat 419

<210> 11027
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B10

<400> 11027
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acctcttcaa tctcggatgg tttcagcgac gacttctgag aaagatgtga aagctctcaa 120
gttcattgaa gaaatgactc ggaaccctga ctcggttcaa gagaagggtc ttggagagat 180
actgactcgt aactctaaca ccgaatatct gaaacgggtc gatcttgatg gtgtcgttga 240
tcggaaaacg ttcaagagca aagttccggt gggttacgtac gaagatttga agccggagat 300
tcaacgtata tccaacggcg attgttctcc gatcttgtct tcgcanccca ncacngagtt 360
tctcacaagc tcaggaacat ctgctggtga gangaaacta atgccaacaa ttgaagaaga 420
cttanaccga 430

<210> 11028
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-G2

<400> 11028
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tccgattatg gctagtcttc ttcgatcctt aatccttttg ctaatcgtgc aatcattttt 120
ggttgcgacg gctttcgggt cgaaagaagt tgaagaattc agcgaggcat tgctcttgaa 180
gcctttacct gatcgaanag ttttagctca ctccacttc gagaatcgan ctctccgctc 240
aaactcccat ggccgccatc accatctctt cccgaaagct atttctcagt tgggttcagaa 300
gtttcgggtc aaggagatgg agttatcntt tantcagggt cgatggaanc atgaacattg 360
gggaggattt gaccctctat caagtatgaa tgcaagcct gttggtgtgg anctgtgggg 420
ctgtgtttga ngttcc 436

<210> 11029
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-G3

<400> 11031
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ccgggtgatg aggttcgtat cacgtttaat attcgtctgtt tggttattat aaatccagta 180
gatccgggta tgtctctact tttgttcaat tatttcgagg attaatagtt ctgctccggg 240
ggcctctaac aaggttatgt gttgatagct ttgttggatc tagatgtttc tttcgattta 300
gttgtcaaga cagttctgcg cctaagttag ctgggttaaaa gctcagtata ttgatgtttt 360
gtcctccata ctgctgattg ccataatcgg tgagaaaaaa gaagatcgtt gttcggcttc 420
gttttccgac n 431

<210> 11032
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-H2

<400> 11032
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ttacttcatt cgtcttcttc ctctctttcc cacaagctcc cattgatata gagagagaga 120
tttaaggaag gaatcatggc aggggggtgga gctccagnan ccaaagcaga cgaaccacaa 180
ccacatcttc ctaaagatca acttcccaac atttcttatt gcatcancag tcctcctcct 240
tggcctgaag ctattcttct tggattccaa cattaccttg tgatgcttgg gacaacggtg 300
ctcatacctt ctgctcttgt tccccagatg ggangtggat atgaagagaa ggcaaaggtg 360
atccagacta ttctctttgt tgctggcatc aacacattgc tccaaacact gttcgggtatg 420
tanaattgcc tgccgttggt ggagcttctt anac 454

<210> 11033
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-H3

<400> 11033
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 aggcgatgct ctagattaca agcctggatc tacgattcgt gttggtcgaa tcgttcgtgg 120
 taatgaaatc gcaattaaag acgctggaat ctccactaag catcttcgga tcgaatcgga 180
 ttctgggaat tgggtaatac aagatcttgg atcttccaac ggtactttat tgaattcgaa 240
 tgctcttgat ccagagacgt cggtaaatct cggagatggc gatgttatca aactaggatga 300
 gtatacatct attttgggta attttgtgat tgatgatttt caggagaaga agcttacgan 360
 gaacaatagg cgtcaggcta atgcgangaa ncgaattaag gttttaaaaa gtacaanttg 420
 ggggatatca ctgaa 435

<210> 11034
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-H4

<400> 11034
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 ttccggttca tttataggcg cgacgtttga acaaagcaag agtcttcattg tgttccccat 120
 cgggtgtattg gagggcttct gggttcattg ctgtttccgg tttaagctat ggtggatgac 180
 tcagagaatg ggaagctgtg gaaaagacat tcctttggag acacagttca tgctactgga 240
 aagcaaggat gaggttgaag ggaatgggga tgatgtcctt actgtttata ccgtctttct 300
 ccctctcctt gaaggccagt tcaaagctgt tctgcaagga aatgagaaga atgagattga 360
 gatttgtttt gagagtggag ataaggcgtg gaaactaacc aaggaactca ncttggttaa 420
 gttcaagctg ggaacaat 438

<210> 11035
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-H5

<400> 11035
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tcgataaaga ctctctttttt cttctttcttc ctgcaaattg cgatcgagga tcaagagaac 120
acaatccgtg aaatcaaacc taagaacaga agaatcatgg gagctggtgg tccggaggaa 180
gaggagaacc ggtggccgcc atgggtgaaa cctttgctta aagagcaatt ctttgttcat 240
tgcaagtttc atggagactc tcataagagt gaatgcaata tgtattgctt agactgcacc 300
aatggcccac tttgctctct ttgtcttgct catcacaagg atcatcgcac cattcagata 360
aggagatctt cttatcatga tggtataagg gtgaatgaga tacaanagta tccttgatat 420
aagggtgggat tcaaaac 437

<210> 11036
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-H8

<400> 11036
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acgccaagaa ccttttgaac ttaaatacgt tgctattgga aatgaagatt gtgggaaaac 180
ttactacaga ggaaactaca ttgtgttcta tgatgctatc aagaaagcct atccagatat 240
caaaatcatc tccaactgcy atggatectc tcatccactc gaccaccag ctgattacta 300
tgactatcac atttacactt ctgctagcaa tttgttttcc atgtatcatc aatttgatcg 360
cacttcacgc aaaagtccaa aggtttttgt cagtgaatat gctgttactg ggaaaagatg 420
cctggtacaa gganccctc 439

<210> 11037
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-A11

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agcttgaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngagaag 120
caacatggcc ctcggtggct tgatttcaaa tcggaacttc ggttccttca tcggctcagg 180
caatggttgt cagagacttg gaaaaagtgg tgcagagggt tccaagcttt ttccaaatgc 240
attgttgtgc cgtaatcatc aacctctgca agctagttaa catcatgaat cgggacacat 300
gagaagaagt tttggatggt tccttcaacc aagaatggac agtgtaatta ggtttaggaa 360
cagtatcaag atcaacagat ctctgtgctta ctacaaatca agaggancag atatcacgga 420
aaggagttgt gcc 482

<210> 11044
<211> 482
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-D9
<400> 11044

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tancctcttg naaccaanan gcatggatcg tgtgggtctt ttcttcttca nccgagnnac 120
gttactagca ggttctcncg gatctaccgt catctccggc gaggttaccg acggtttcgn 180
taaccgatc aggcaagtcg tcccggagga gaacgatgaa caactcctca acgcagaaca 240
tcacttcact ctattcaaatt ccaagtacga gaagacttac gcgactcang tagaacacga 300
tnatcgggtc cgtgtcttca aagctaact aagacgagct angcgtaacc agcttcnana 360
tccgtctgcn gtccaaggcg tcacgcagnt ctcaaata ctcccgaata gaattccgcc 420
gcangttttt aagantgaaa cgcnaagggt ttcgtctctc tactgatatc aaaagggggg 480
ct 482

<210> 11045
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-015-Q1-E1-E3

<400> 11045
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 ttgacggaca ttatatctcc tcctcttctc ttctataaat tgggcacctt tttccaattt 120
 tacgcacagt cacggagata gatagtaaga gagagctatg gcggaggagc acttcgacgt 180
 tctgactaaa tccggtgaga agaccggtgt gtccaaaccc aggggagagg ttcacagaga 240
 tggagattac catcgtgctg ttcattgtctg gattttttgtg gagactactc aacagctact 300
 tctccaactt cgatctgatg ataaagattc ttggcctggt caatgggaca tctctagtgc 360
 tggccatata tcagctgggtg atacatcgtt tctatctgca cagcgggagc ttgaggaaga 420
 gcttggtc 427

<210> 11046
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-E4

<400> 11046
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 nnnnnnnnnn nnnnnnnnnn nnnnnntaat tcaacagtta aacatgatgg attttatgta 180
 aatagaggca agttggagcg gatggaacct tcaacaacat ctaaccagca acccaaaaaa 240
 cggcgacgaa aagattcagc aaaaccctgt cgtgatgcag ttgacgtatc cgataaacac 300
 accaagttgt ctataacagc taggaaaaag gatcaatcaa ctgctcctgg gtctctggaaa 360
 acacaggagt cacctttgcc ttctggagcg caagatgcaa atacttcagt acctctggat 420
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 aagggaaga 488

<210> 11047
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E5

<400> 11047

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ctctacaaga atatctcctc gatgttcggg cttacacgac gatcttacat gcgtattcac 180
ggactgggaa gtatgaaaag gctatcgatt tgtttgagag gatgaaagag atgggtcctt 240
cacctacttt ggtgacttac aatgtgattc tcgatgtttt cgggaaaatg ggtcgatctt 300
ggcgaaaaat tctaggggtt ttagatgaaa tgagaagcaa aggattgaag tttgatgagt 360
ntacttgtag tactgtgctc tctgcttggt caaggagaag gtttggtaan nagaggccaa 420
aggagttttt cgc 433

<210> 11048

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E6

<400> 11048

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gtctctcaaa ccctcagggtc tcagctcaga acaatggcag ctaaacctgg agccgcaact 120
ccaacgtatt cacctaaaat cgtcggaaga agtcggcttc ctatattcaa agattccgac 180
ctcgattgggt ctggtctga tggccgtggc ttccaccaat gccgaccgc attacttcaa 240
actggtgctg tgagttctgc ttctggttct gcttatgctg agtttgggaa cactaaagtt 300
attgtttcag tatttgggccc aaggagagat aagaaagcaa tggtttatag tgatgtangt 360
agattgaatt gtaatgttag ctatacaaat tttgcttccc ctactcttgg ccagggaact 420
gatcacanag aatattcatc aatgcttcac aaagcattgg aaggtgtaat tantgatgg 479

<210> 11049

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F11

<400> 11049

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atthggaaat ccggcgacaa tgggtgagaga tattgaagat gagattagag acgagaagaa 120
tcctcgctct cttgatgaag atgatatcgc tctcctcaag acttatgggt tagggcctta 180
ctctgcacct atcaagaaag tggagaaaga aattaaggat ctcgccaaga agatcaacga 240
tctatgtgggt atcaaggagt ctgatactgg tttagctcct ccagtcagt gggatcttgt 300
atctgataag caaatgatgc aagaagagca acctctgcaa ggttgcgaga tgcacaaaga 360
ttataagtcc aaacactgaa ggacgcaaaa tactcataaa tgtcaancaa attgncaaat 420
ttggttggtg gncctt 436

<210> 11050

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F12

<400> 11050

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gggaagagga aaaggthtct tcgatcgtcg aagagattct ttggacaagt cccctccttc 120
ctggttcaat cttcgattca gctctctttt aatttttttg gttttgggaa gctgctatgt 180
tatttgagag gcttaccaag aaaccacctt cgcttggtga tctttgcgta aggaaagcga 240
ttgataatgt aaagtacatt ggatatgttg gtgggggtga ttttcagctc cttgagcaga 300
ttctgcaaca ctgtacacta ngaanagggtg aagcacatac aaggatgcta ctggacgaca 360
cagatctant ccaatcaccg ataaactttt gggagggaaat ctaataanaa 410

<210> 11051

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F2

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 acatggcgga acatgtacca aagtaccatc aatggatgca agattcggct cttcttgaag 180
 ctacgggacg tgagccgttg agtcttgagc aagagtntga gatgcagctt tcttggaactc 240
 aagatcccaa taagcggact ttcattgtct tggacaagga tttcgtaag ggagacctgg 300
 ctcatggcca acctcatgta gaagcaatga cagggtgatgt tgaacattta catgaatgat 360
 gtggatgacg canaggggtg cagaagttga nataatgata actgagccca naagccgtng 420
 gtaanaggac taaggaaagg aatctgttgt tgataatgat ggcttaatgt gtcaagnaac 480
 ttggaggatt cacaagntt 499

<210> 11056
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-D4

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 aattgcccga gttgttctct ttatatcacc gtcactaca atatggaaga ttttcaaaac 240
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 <223> unsure at all n locations

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the second part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the third part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$.

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 tcttgcggat gactgatgag cctattcgag caggcgagat tgttggttc aatgttgatg 420
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 gataagnnnt cgttatttgn agcgttacca nncctganc ctctcaaaag gat 473

